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# CIVIL AVIATION

1960

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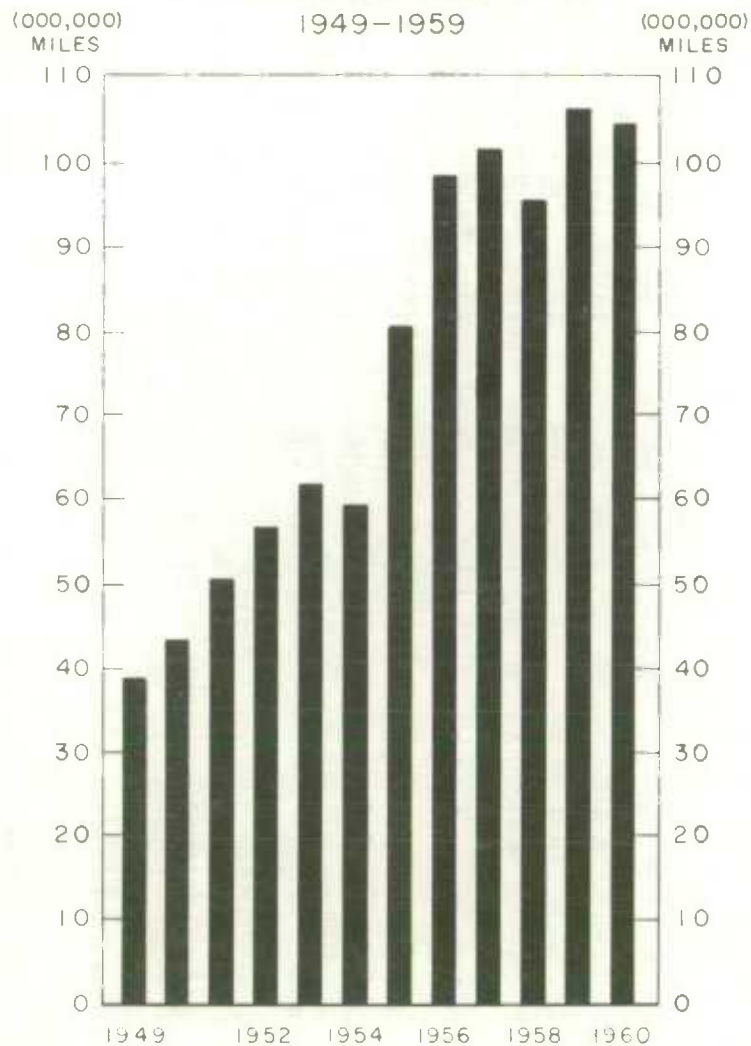
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CHART A

# REVENUE MILES FLOW BY CANADIAN CARRIERS\*

1949-1959

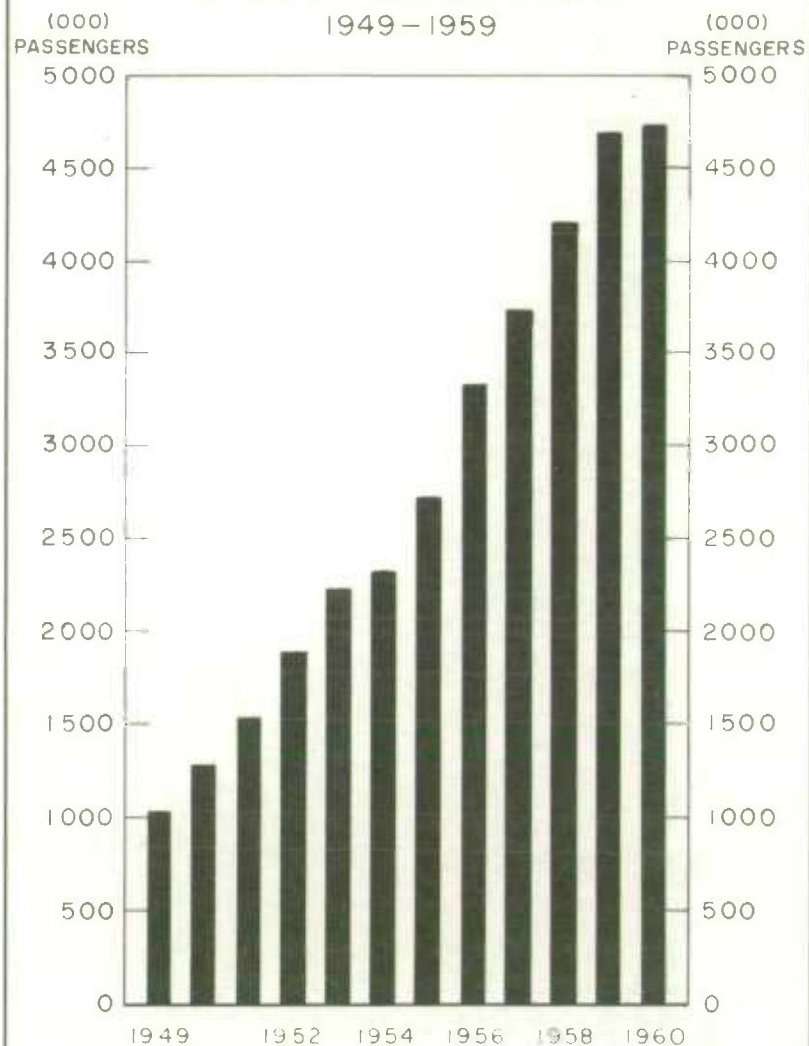


\*Includes C.P.A., T.C.A. Overseas Routes.

CHART B

# REVENUE PASSENGERS CARRIED BY CANADIAN CARRIERS\*

1949-1959



\*Includes C.P.A., T.C.A. Overseas Routes.



# CIVIL AVIATION

1961

## Concepts

During 1959, the Air Transport Board, the Department of Transport, and the Dominion Bureau of Statistics completed, jointly, a major revision of the civil aviation statistical schedules filed by Canadian commercial air carriers. These revised reporting forms went into effect January 1, 1960, and necessitated a complete review of the monthly and annual "Civil Aviation" publications produced by the Dominion Bureau of Statistics. The more important conceptual changes in these publications are:

1. A revision of the "Uniform System of Accounts and Reports for Commercial Air Carriers";
2. A revision of the basis of classifying commercial air carriers;
3. The exclusion from industry totals of the operations of Group V carriers;
4. The consolidation of the domestic and international services of Canadian carriers.

The revised "Uniform System of Accounts and Reports for Commercial Air Carriers" conforms more closely with the one used by the Civil Aeronautics Board in the United States. Although this new classification of accounts is not entirely comparable with the old one, it provides a more comprehensive picture of the air carriers' financial operations.

Commercial air carriers are now classified on the basis of their annual gross flying revenues. This new classification comprises five carrier groups, each with different reporting requirements whereas the previous classification was based on gross annual revenues and contained four classes of carriers. The present groups and the former classes are defined below.

### The 1960 Classification of Commercial Air Carriers:

Group I—Trans-Canada Air Lines and Canadian Pacific Air Lines.

Group II—All other carriers licensed to perform scheduled service plus two major transport carriers: Nordair Ltd. and Wheeler Air Lines Ltd.

Group III—All carriers with gross annual flying revenues of \$400,000 and over which are not included in Groups I and II.

Group IV—All carriers having gross annual flying revenues of \$60,000 and over but less than \$400,000 and, in addition, any carrier licensed to perform unit toll service with gross annual flying revenues under \$60,000.

Group V—All carriers other than those licensed to perform unit toll service with gross annual flying revenues of less than \$60,000.

### The 1959 Classification of Commercial Air Carriers:

Class A—All carriers licensed to perform scheduled service.

Class B—All carriers licensed to perform non-scheduled service and having gross annual revenues of \$100,000 and over.

Class C—All carriers licensed to perform non-scheduled service and having gross annual revenues of between \$25,000 and \$100,000.

Class D—All carriers licensed to perform non-scheduled service and having gross annual revenues of \$25,000 or less.

The number of carriers included with each group or class is indicated below:

1960 Groups		1959 Classes	
Group I .....	2	Class A .....	6
Group II .....	6	Class B .....	67
Group III .....	15	Class C .....	62
Group IV .....	63	Class D .....	120
Group V .....	203		
<b>Total .....</b>	<b>289</b>	<b>Total .....</b>	<b>255</b>

As the foregoing table demonstrates, the 1960 groups are not comparable with the 1959 classes. The larger number of carriers reporting in 1960 includes a number of small Group V carriers which did not file any returns with the Dominion Bureau of Statistics in previous years. Nordair Ltd. and Wheeler Air Lines Ltd. which are classified as Group II carriers have been included with Group III carriers in this report for statistical purposes. As a result, Groups I and II consist of scheduled carriers only and combined are equivalent to the 1959 Class A carriers.

As Group V carriers file reports on a quarterly basis only, data on their operations are not available for monthly publication but are shown in a special table at the end of each quarter. These statistics are not included in industry totals shown in other tables of the report and the same practice has been followed in the preparation of this annual publication. The total number of carriers covered in the summary tables of this annual report, therefore, is considerably less than in previous years. The effect of this change, however, is not considered significant as operating revenues of all Group V carriers in 1960 accounted for only 2.9 per cent of the operating revenues of all Canadian carriers.

Domestic and international operations of Canadian carriers are shown together, contrary to past practice. However, all the information available separately for each type of operation has been assembled and presented in Table 5.

Data for foreign carriers operating in Canada, as in the past, are not comparable with those shown for the Canadian carriers as foreign companies are required to report hours and miles flown over Canadian territory only and passengers and goods in transit are excluded.

Despite the changes described above, every effort has been made to maintain continuity between this issue of "Civil Aviation" and previous annual reports. The data shown in the statistical summary (Table 1) contains most of the items for which con-

tinuity has been maintained and this table has been revised to enable a direct comparison for the six year period. It should be noted however that complete continuity is no longer possible. This applies particularly to financial detail due to the revision of the "Uniform Classification of Accounts". It is considered that although there has been a break in the continuity, the revision has resulted in a substantial improvement in the coverage, and quality of civil aviation statistics as well as an expansion of the amount of information available for analytical purposes.

Additions to the annual report include tables showing the interline traffic on mainline services of Canadian carriers (Table 5) and unit toll traffic carried into and out of Canada by foreign carriers, by geographic area (Table 6). It should be noted, however, that totals shown for individual geographic areas are not entirely accurate. Some carriers, operating under fifth freedom rights, transport passengers and goods between Canada and more than one geographic area and are not in a position to provide separate figures for each of these services. For example, all Air France traffic to and from Canada is shown as originating from or destined to Europe although this carrier has a fifth freedom license to transport passengers and goods between Canada and the United States.

Also available for the first time is a cross classification of operating expenses on an objective and functional distribution basis (Tables 14, 15, 16).

Table 17 is a special table designed to provide separate data on companies which operate helicopters only. It has been estimated that these companies operate approximately 75 per cent of all helicopters engaged in commercial services in Canada. Helicopters operated by firms which also have fixed wing aircraft are excluded.

Wherever possible, unit toll services of Canadian carriers are broken down into scheduled and non-scheduled. A complete breakdown is not possible, however, as some carriers offer both services on specific routes. In such cases, the route is assigned to the class of service which predominates.

### Review of 1960 Operations

A review of 1960 operations (Table 1) reveals that Canadian carriers transported a record number of revenue passengers during the year, a total of 4,727,415. This represented an increase of one per

cent over the previous year's record of 4,681,264. Revenue goods carried, including mail, aggregated 203,353,000 lbs. This was above the 1959 total of 202,988,362 lbs. but considerably below the 1956 high of 310,003,135 lbs. Passenger-miles, which are available for the unit toll services only, advanced 13.3 per cent to 2,671,926,081 from 2,357,386,420 and goods ton-miles (cargo, mail and excess baggage combined), on these same services, increased 15 per cent to 49,022,425 from 42,620,851. Foreign airlines transported into and out of Canada 724,301 revenue passengers and 16,706,880 lbs. of revenue goods as compared with 634,737 passengers and 14,066,974 lbs. of goods carried in 1959. This represented increases of 14.1 per cent in the number of passengers and 18.8 per cent in the volume of goods (Table 2).

Operating revenues and operating expenses of Canadian carriers reached new highs in 1960. Revenues amounted to \$235,973,562, an increase of 7 per cent over the previous record of \$220,423,558 established in 1959 and operating expenses totalled \$237,714,284, a rise of 8.3 per cent above the 1959 previous peak of \$219,487,993. As a result there was an operating loss of \$1,740,722, the first since 1950 when Canadian carriers reported operating expenses which exceeded operating revenues by \$151,645. In 1959, an operating income of \$935,565 had been realized. The deficit after income taxes, in 1960, was the highest ever recorded. It amounted to \$6,450,886 as compared with a deficit of \$2,484,178 reported in the previous year (Table 1).

Total assets of Canadian carriers, as of December 31, 1960, were valued at \$335,049,663 and were much above the assets of \$262,341,755 shown in the carriers' books at the end of 1959. Scheduled carriers were responsible for this entire increase as their 1960 assets were worth \$304,574,765 as opposed to \$231,137,625 in the previous year. Of all accounts, Property and Equipment showed the largest increase as a total value of \$231,756,403 was reported under this item in 1960 compared with \$183,880,747 in the preceding year (Table 8).

More accidents occurred to aircraft of Canadian registry in 1960 (331) than in the previous year (309) (Table 19). Commercial aircraft were involved in 126 accidents as compared with 106 in 1959 and the total number of persons killed in all aircraft accidents dropped to 57 from 91. There were 5,318 aircraft of all types registered as of December 31, 1960, and 483 established airports (Table 21).

March 16, 1962.

### SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

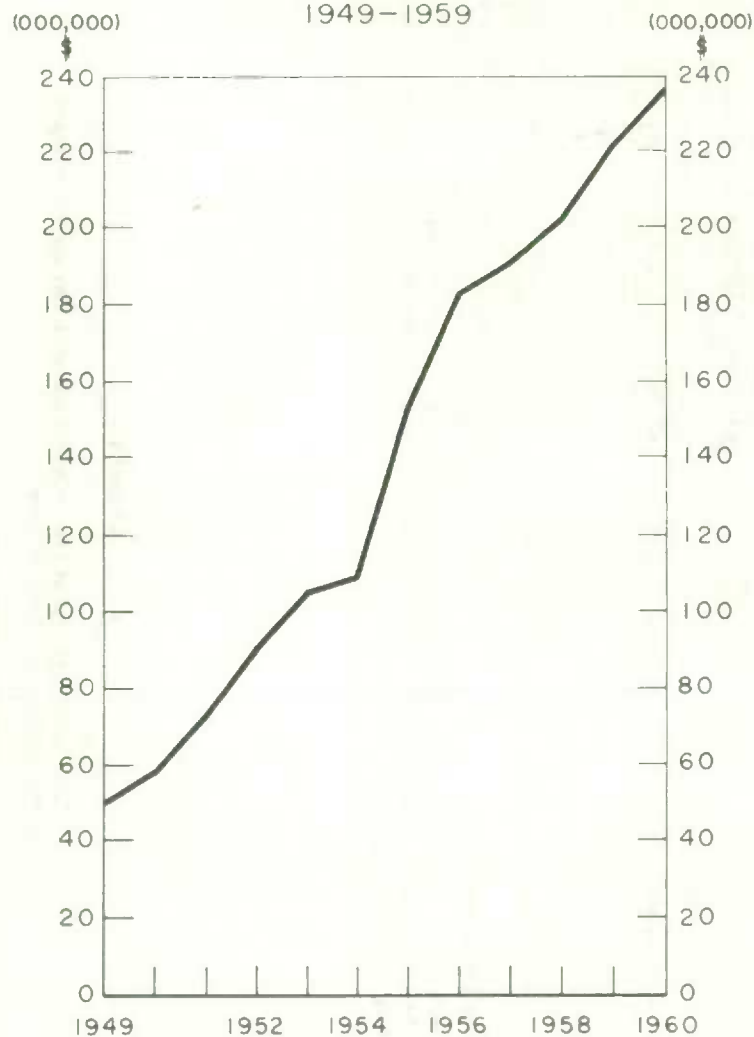
- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.



CHART C

# OPERATING REVENUES OF CANADIAN CARRIERS\*

1949-1959

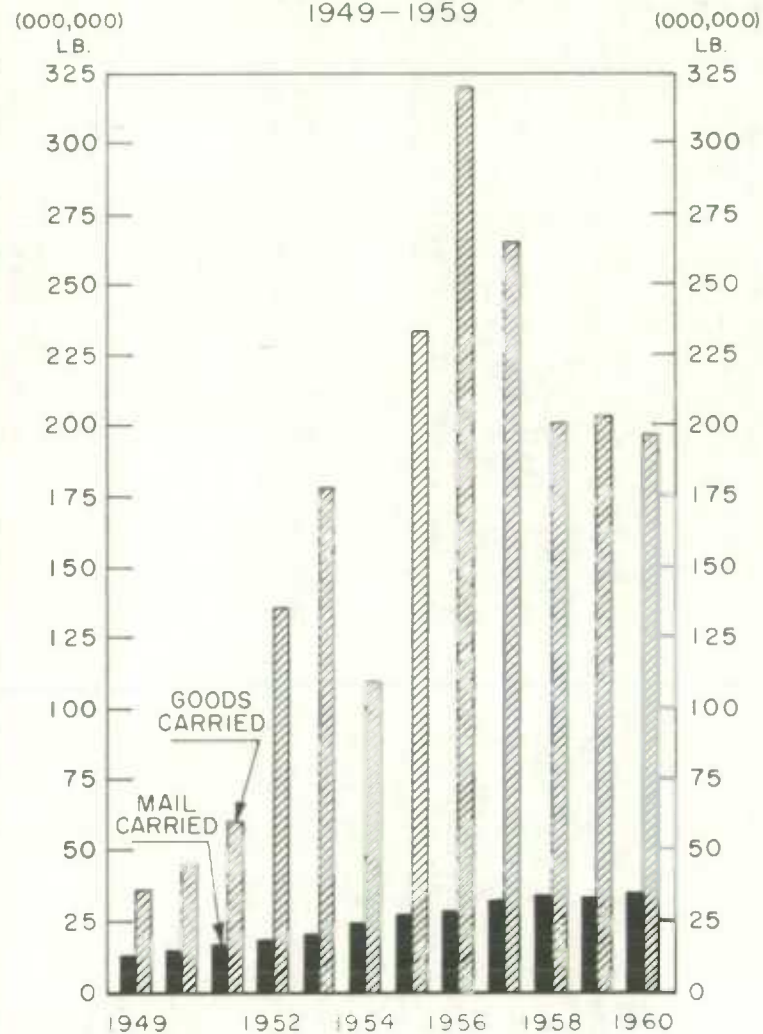


\*Includes C.P.A., T.C.A. Overseas Routes.

CHART D

# REVENUE GOODS AND MAIL CARRIED CANADIAN CARRIERS\*

1949-1959



\*Includes C.P.A., T.C.A. Overseas Routes.

TABLE 1. Statistical Summary of Civil Aviation in Canada, 1955-60

	1960	1959	1958	1957	1956	1955
<b>Canadian Carriers</b>						
Operating statistics:						
Unit toll transportation:						
Revenue:						
Hours flown..... No.	383,181	350,019	323,972	314,075	288,120	261,424
Miles flown..... "	80,246,283	77,405,581	69,438,086	64,472,262	56,067,785	48,593,351
Passengers carried..... "	4,218,431	4,176,501	3,599,365	3,217,266	2,796,841	2,311,115
Cargo and excess baggage carried..... lb.	80,152,652	76,464,625	63,761,034	61,692,930	63,117,432	49,506,021
Mail carried..... "	34,633,139	32,894,779	31,387,841	29,263,675	25,570,279	24,267,437
Passenger-miles..... No.	2,671,926,081	2,357,386,420	2,036,163,546	1,737,582,244	1,480,639,773	1,175,343,729
Cargo and excess baggage ton-miles..... "	35,316,334	29,505,264	25,395,836	23,587,208	21,316,572	17,496,038
Mail ton-miles..... "	13,706,091	13,115,587	12,225,661	11,447,229	9,894,104	8,937,435
Bulk transportation:						
Revenue:						
Hours flown..... "	230,670	259,188	233,380	298,941	343,316	254,880
Miles flown..... "	23,938,740	28,701,522	26,372,480	36,743,407	42,369,709	32,266,480
Passengers carried..... "	508,984	504,763	423,572	509,337	523,864	406,222
Freight carried..... lb.	123,200,348	126,523,737	128,006,002	194,456,192	246,885,703	175,788,626
Other flying services:						
Revenue hours flown..... No.	81,059	155,022	135,587	113,271	87,920	74,989
Total - All services:						
Traffic, hours and miles:						
Revenue:						
Hours flown..... "	694,910	764,229	692,939	726,287	719,356	591,293
Miles flown..... "	104,185,023	106,107,103	95,810,566	101,215,669	98,437,494	80,859,831
Passengers carried..... "	4,727,415	4,681,264	4,022,937	3,726,630	3,320,705	2,717,337
Cargo and excess baggage carried..... lb.	203,353,000	202,988,362	191,767,036	256,149,122	310,003,135	225,294,647
Goods carried <sup>2</sup> ..... "	237,986,139	235,883,141	223,154,877	285,412,797	335,573,414	249,562,084
Non-revenue:						
Hours flown..... No.	24,251	31,624	35,427	40,641	37,478	31,248
Passengers carried..... "	..	21,238	13,692	25,811	49,262	45,407
Goods carried <sup>2</sup> ..... lb.	..	8,463,610	5,913,962	6,342,973	6,953,982	6,550,360
Passengers-miles..... No.	127,072,658	100,192,596	84,572,322	69,097,794	58,886,228	55,803,177
Goods ton-miles..... "	5,244,953	4,287,822	3,296,840	2,844,976	2,863,082	3,336,764
Fuel and oil consumed:						
Fuel..... gal.	139,425,893	122,055,240	106,118,520	94,581,917	83,430,347	65,422,771
Cost..... \$	29,910,391	28,968,279	27,853,593	29,351,637	27,584,973	22,004,244
Oil..... gal.	812,232	889,423	897,280	1,000,998	1,002,674	902,445
Cost..... \$	907,179	1,088,653	1,051,931	1,033,493	1,053,188	896,667
Average number of employees.....	17,106	16,565	15,990	16,014	14,848	13,271
Salaries and wages paid..... \$	95,650,809	86,148,440	80,235,145	75,313,556	65,240,831	55,520,899
Revenues and expenses:						
Operating revenues..... \$	235,973,562	220,423,558	201,713,936	190,043,065	182,168,850	152,739,018
Operating expenses..... \$	237,714,284	219,487,993	200,278,225	189,413,789	174,581,980	146,654,814
Operating income (loss)..... \$	Dr. 1,740,722	935,565	1,435,711	629,276	7,586,870	6,084,204
Net income or deficit after income taxes..... \$	Dr. 6,450,886	Dr. 2,484,178	Dr. 1,806,744	Dr. 552,897	4,699,586	4,132,752
<b>Canadian and Foreign Carriers<sup>3</sup></b>						
Operating statistics:						
Revenue:						
Hours flown (all services)..... No.	712,371	798,527	709,337	742,056	734,822	605,913
Miles flown (transportation services)..... "	109,699,725	110,889,252	99,858,279	104,699,140	101,723,710	83,805,304
Passengers carried (transportation services)..... "	5,451,716	5,316,001	4,555,251	4,319,920	3,864,818	3,249,099
Cargo and excess baggage carried (transportation services)..... "	217,220,865	214,391,889	200,388,312	264,812,177	319,260,401	233,561,830
Mail carried (transportation services)..... "	37,472,154	35,558,226	33,628,013	31,413,504	27,914,288	28,616,505
Passenger-miles (unit toll transportation)..... "	2,847,022,735	2,495,682,456	2,142,276,186	1,835,183,870	1,547,279,882	1,223,825,448
Cargo and excess baggage (unit toll transportation) ton-miles..... "	39,044,787	31,296,521	26,447,626	24,456,122	22,065,286	18,084,169
Mail ton-miles (unit toll transportation)..... "	14,321,366	13,702,638	13,037,645	12,055,649	10,238,458	9,048,610

<sup>1</sup> Except for hours flown, data relate to transportation services only.<sup>2</sup> Cargo, excess baggage and mail.<sup>3</sup> See Introduction, page 5.



TABLE 2. Operating Statistics, Canadian and Foreign Carriers - All Services, 1960

	Canadian carriers					Foreign carriers <sup>1</sup>		Grand total all carriers
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers <sup>2</sup>	
		Groups I and II <sup>3</sup>	Group III <sup>2</sup>	Group IV				
Number of carriers reporting .....	6	16	61	77	83	10	8	101
Transportation services:								
Unit toll:								
Revenue departures .....	No. 233,488	12,214	6,290	18,504	251,992	6,863	10,019	400,063
Revenue hours flown .....	" 351,484	25,151	6,546	31,697	383,181	1,881,034	3,146,358	76,967,173
Revenue miles scheduled .....	" 71,939,781	...	...	...	71,939,781			
Revenue miles flown:								
Scheduled services .....	" 73,032,095 <sup>4</sup>	...	...	...	73,032,095 <sup>4</sup>	1,695,121	3,657,701	78,384,917 <sup>4</sup>
Non-scheduled services .....	" 3,309,189 <sup>4</sup>	3,131,620	773,379	3,904,999	7,214,188 <sup>4</sup>	—	—	7,214,188 <sup>4</sup>
Totals .....	" 76,341,284	3,131,620	773,379	3,904,999	80,246,283	1,695,121	3,657,701	83,599,105
Revenue passengers carried ..	" 4,094,080	81,458	42,893	124,351	4,218,431	556,386	156,320	4,931,137
Revenue goods carried:								
Cargo .....	lb. 66,369,776	5,604,199	1,720,583	7,324,782	73,694,558	7,460,678	6,376,251	93,989,581
Excess baggage .....	" 6,138,882	133,199	186,013	319,212	6,458,094			
Mail .....	" 32,830,815	1,529,036	273,288	1,802,324	34,633,139	1,651,547	1,294,810	37,579,496
Totals .....	" 105,339,473	7,266,434	2,179,884	9,446,318	114,785,791	9,112,225	7,671,061	131,569,077
Revenue passenger-miles .....	No. 2,652,134,265	16,328,248	3,463,568	19,791,816	2,671,926,081	30,859,209	144,237,445	2,847,022,735
Revenue goods ton-miles:								
Cargo .....	" 31,687,017	1,827,266	110,903	1,938,169	33,625,186	233,817	3,494,636	39,044,787
Excess baggage .....	" 1,631,354	52,809	8,985	59,794	1,691,148			
Mail .....	" 13,444,630	251,511	9,750	261,261	13,706,091	42,894	572,381	14,321,366
Totals .....	" 46,763,201	2,131,586	127,638	2,259,224	49,022,425	276,711	4,067,017	53,366,153
Bulk:								
Revenue:								
Departures .....	" 29,152	58,387	98,199	156,566	185,736	..	..	..
Hours flown .....	" 31,836	105,608	93,226	196,834	230,670	7	572	231,249
Miles flown .....	" 4,396,097	10,037,537	9,505,106	19,542,643	23,938,740	1,951	159,929	24,100,620
Passengers carried .....	" 60,936	175,915	272,133	448,048	508,984	1,203	10,392	520,579
Freight carried .....	lb. 17,973,646	74,022,542	31,203,960	105,226,502	123,200,348	30,936	—	123,231,284
Non-transportation services:								
Specialty flying:								
Revenue hours flown .....	No. 2,676	12,263	66,100	76,383	81,059	—	—	81,059
Total — All services:								
Traffic, hours and miles: <sup>5</sup>								
Revenue:								
Departures .....	No. 262,640	70,601	104,489	175,090	437,730	..	..	..
Hours flown .....	" 385,996	143,042	165,872	306,914	694,910	6,870	10,591	712,371
Miles flown .....	" 60,737,381	13,169,157	10,278,485	23,447,642	104,185,023	1,697,072	3,817,630	109,699,725
Passengers carried .....	" 4,155,018	257,373	315,026	572,399	4,727,415	557,589	166,712	5,451,716
Cargo carried .....	lb. 84,343,622	79,626,741	32,924,543	112,551,284	196,894,906	7,491,614 <sup>6</sup>	6,376,251 <sup>6</sup>	217,220,865 <sup>6</sup>
Goods carried .....	" 123,313,319	81,288,976	33,383,844	114,672,820	237,986,139	9,143,161	7,671,061	254,800,361
Non-revenue:								
Hours flown .....	No. 12,003	6,646	5,602	12,246	24,251	29	4	24,284
Passengers carried .....	" ..	1,334	349	1,683	..	8,954	7,387	..
Goods carried .....	lb. ..	238,536	10,201	248,737	..	249,679	811,217	..
Passenger-miles .....	No. 126,300,404	752,537	19,717	772,254	127,072,658	691,246	5,642,917	133,608,621
Goods ton-miles .....	" 5,143,060	88,105	13,768	101,873	5,244,953	22,656	309,838	5,577,447
Fuel consumed:								
Turbo fuel:								
Quantity .....	gal. 83,126,700	—	—	—	83,126,700	3,331,726	15,520,293	101,978,719
Cost .....	\$ 12,218,677	—	—	—	12,218,677	642,973	2,939,106	15,800,756
Gasoline:								
Quantity .....	gal. 46,188,501	7,373,320	2,737,372	10,110,692	56,299,193	2,726,672	5,515,584	64,541,429
Cost .....	\$ 13,565,682	2,918,579	1,207,453	4,126,032	17,691,714	798,407	1,387,464	19,877,585
Oil consumed:								
Turbo aircraft:								
Quantity .....	gal. 17,460	—	—	—	17,460	627	745	18,852
Cost .....	\$ 79,828	—	—	—	79,828	4,329	7,514	91,671
Other aircraft:								
Quantity .....	gal. 647,892	100,337	46,523	146,860	794,752	30,036	42,035	866,823
Cost .....	\$ 599,339	149,131	76,681	228,012	827,351	24,897	85,552	937,800
Average number of employees:								
Flying personnel .....	No. 2,248	369	256	645	2,893	..	..	..
Other personnel .....	" 12,926	731	556	1,287	14,213	..	..	..
Totals .....	" 15,174	1,120	812	1,932	17,106	296	588	17,990
Salaries and wages paid:								
Flying personnel .....	\$ 18,651,577	2,946,870	1,702,567	4,649,457	23,301,034	..	..	..
Other personnel .....	\$ 66,152,699	3,677,427	2,519,449	6,196,876	72,349,775	..	..	..
Totals .....	\$ 84,804,476	6,624,297	4,222,036	10,846,333	95,650,809	1,549,934	2,974,596	100,175,339

<sup>1</sup> See Introduction, page 5.<sup>2</sup> Nordair Ltd. included with Group III carriers for purposes of this report.<sup>3</sup> Includes fifth freedom traffic between United States and Canada.<sup>4</sup> Breakdown into scheduled and non-scheduled service not entirely accurate as some carriers operate the two types of service jointly on certain routes.<sup>5</sup> Except for hours flown these data relate to transportation services only.<sup>6</sup> Includes excess baggage.

TABLE 3. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company, 1960

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Maritime Central Airways	Pacific Western Airlines <sup>1</sup>	Quebecair Inc. <sup>1</sup>	Transair Ltd. <sup>1</sup>	Total <sup>1</sup>	
Transportation services:									
Unit toll:									
Revenue departures .....	No. 19,410	168,569	187,979	8,687	14,310	14,456	8,056	45,509	233,488
Revenue hours flown .....	" 45,018	258,960	303,978	9,418	17,346	11,359	9,383	47,506	351,484
Revenue miles scheduled .....	" 11,470,397	56,100,171	67,570,568	321,317	2,275,649	1,452,689	319,558	4,369,213	71,939,781
Revenue miles flown:									
Scheduled services:									
Regular .....	" 11,253,929	54,834,843	66,088,772	295,465	2,142,264	1,176,283	312,958	3,926,970	70,015,742
Extra section .....	" 235,061	2,393,666	2,628,727	20,081	178,986	121,090	67,469	387,626	3,016,353
Non-scheduled services .....	" 498,490	—	498,490	1,262,731	156,628	525,494	865,846	2,810,699	3,309,189
Totals .....	" 11,987,480	57,228,509	69,215,989	1,578,277	2,477,878	1,822,867	1,246,273	7,125,295	76,341,284
Ratio of regular miles flown to miles scheduled .....	98.1	97.7	...	92.0	94.1	81.0	97.9	...	...
Revenue passengers carried (Scheduled and non-scheduled) <sup>2</sup> .....	No. 336,072	3,421,221	3,757,293	56,601	120,259	118,151	41,776	336,787	4,094,080
Revenue goods carried (Scheduled and non-scheduled) <sup>2</sup> :									
Express .....	lb. 791,582	8,158,093	8,949,675	—	395,111	3,099,794	120,896	3,615,801	12,565,476
Freight .....	" 3,632,496	31,284,766	34,917,262	12,143,270	5,025,577	—	1,718,191	18,887,038	53,804,300
Excess baggage .....	" 548,984	4,193,438	4,742,422	150,758	372,371	755,394	117,937	1,396,460	6,138,882
Mail .....	" 1,949,254	26,290,776	28,240,030	1,342,309	1,617,698	1,024,504	606,274	4,590,785	32,830,815
Totals .....	" 6,922,316	69,927,073	76,849,389	13,636,337	7,410,757	4,879,692	2,563,298	28,490,084	105,339,473
Revenue passenger-miles:									
Scheduled services .....	No. 505,433,621	2,040,877,297	2,546,310,918	3,665,305	32,450,406	23,156,255	6,009,234	65,281,200	2,611,592,118
Non-scheduled services .....	" 13,137,634	—	13,137,634	8,952,558	345,068	7,925,349	10,181,538	27,404,513	40,542,147
Totals .....	" 518,571,255	2,040,877,297	2,559,448,532	12,617,863	32,795,474	31,081,604	16,190,772	92,685,713	2,652,134,265
Available seat-miles on scheduled services .....	" 892,035,410	3,095,283,608	3,987,319,018	8,204,170	73,841,165	43,952,258	..	..	..
Passenger load factor on scheduled services .....	56.7	65.9	...	44.7	43.9	52.7	..	..	..
Revenue goods ton-miles:									
Express:									
Scheduled services .....	No. 221,349	2,886,829	3,108,178	—	127,962	268,633	10,152	406,747	3,514,925
Non-scheduled services .....	" 9,299	—	9,299	—	—	125,038	29,547	154,585	163,884
Totals .....	" 230,648	2,886,829	3,117,477	—	127,962	393,671	39,699	561,332	3,678,809
Freight:									
Scheduled services .....	" 5,377,528	17,904,366	23,281,894	26,485	1,443,226	—	9,546	1,479,257	24,761,151
Non-scheduled services .....	" 19,637	—	19,637	2,937,887	12,374	—	277,159	3,227,420	3,247,057
Totals .....	" 5,397,165	17,904,366	23,301,531	2,964,372	1,455,600	—	286,705	4,706,677	28,008,208
Excess baggage:									
Scheduled services .....	No. 342,245	1,047,566	1,389,811	3,114	80,518	68,556	8,251	160,439	1,550,250
Non-scheduled services .....	" 6,231	—	6,231	20,910	305	32,457	21,201	74,873	81,104
Totals .....	" 348,476	1,047,566	1,396,042	24,024	80,823	101,013	29,452	235,312	1,631,354
Mail:									
Scheduled services .....	" 1,288,846	11,336,188	12,625,034	45,392	455,555	76,908	23,412	601,267	13,226,301
Non-scheduled services .....	" 43,973	—	43,973	96,098	2,439	11,638	64,381	174,556	218,529
Totals .....	" 1,332,819	11,336,188	12,669,007	141,490	457,994	88,546	87,793	775,823	13,444,830
Total:									
Scheduled services .....	" 7,229,968	33,174,949	40,404,917	74,991	2,107,261	414,097	51,361	2,647,710	43,052,627
Non-scheduled services .....	" 79,140	—	79,140	3,054,895	15,118	169,133	392,288	3,631,434	3,710,574
Totals .....	" 7,309,108	33,174,949	40,484,057	3,129,886	2,122,379	583,230	443,649	6,279,144	46,763,201
Available ton-miles on scheduled services .....	" 110,523,947	401,117,114	511,641,061	832,435	9,935,702	4,698,798	1,257,669	16,724,604	528,365,665
Weight load factor on scheduled services <sup>3</sup> .....	52.3	59.2	...	53.0	53.9	58.1	51.9	...	...

See footnotes at end of table.

TABLE 3. Operating Statistics, Canadian Scheduled Carriers — All Services, by Company, 1960 — Concluded

	Group I carriers			Group II carriers					Grand total	
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Maritime Central Airways	Pacific Western Airlines <sup>1</sup>	Quebecair Inc. <sup>1</sup>	Transair Ltd. <sup>1</sup>	Total <sup>1</sup>		
Transportation services — Concluded:										
Bulk:										
Revenue:										
Departures .....	No.	105	494	599	600	20,740	671	6,542	28,553	29,152
Hours flown .....	"	1,439	1,082	2,521	1,074	22,041	589	5,611	29,315	31,836
Miles flown .....	"	398,310	228,064	626,374	183,814	2,830,147	85,921	669,841	3,769,723	4,396,097
Passengers carried .....	"	7,310	11,934	19,244	4,568	28,908	1,466	6,750	41,692	60,936
Freight carried .....	lb.	—	359,660	359,660	1,107,505	11,196,181	1,077,415	4,233,085	17,614,186	17,973,846
Non-transportation services:										
Specialty flying:										
Revenue hours flown .....	No.	—	111	111	—	2,366	—	199	2,565	2,676
Total — All services:										
Traffic hours and miles: <sup>4</sup>										
Revenue:										
Departures .....	No.	19,515	169,063	188,578	9,287	35,050	15,127	14,598	74,062	262,640
Hours flown .....	"	46,457	260,153	306,610	10,492	41,753	11,948	15,193	79,386	385,996
Miles flown .....	"	12,385,790	57,456,573	69,842,363	1,762,091	5,308,025	1,908,788	1,916,114	10,895,018	80,737,381
Passengers carried .....	"	343,382	3,433,155	3,776,537	61,169	149,167	119,617	48,526	378,479	4,155,016
Cargo carried .....	lb.	4,424,078	39,802,519	44,226,597	13,250,775	16,616,869	4,177,209	6,072,172	40,117,025	84,343,622
Goods carried .....	"	6,922,316	70,286,733	77,209,049	14,743,842	18,606,938	5,957,107	6,796,383	46,104,270	123,313,319
Non-revenue:										
Hours flown .....	No.	2,428	6,206	8,634	275	2,054	823	517	3,669	12,303
Passengers carried .....	"	10,135	..	..	1,805	2,131	1,645	1,146	6,727	..
Goods carried .....	lb.	1,070,059	..	..	636,927	245,022	—	107,395	989,344	..
Passenger-miles .....	No.	20,641,728	103,129,903	123,771,631	573,982	850,832	410,725	693,234	2,528,773	126,300,404
Goods ton-miles .....	"	1,602,623	3,212,938	4,815,561	144,953	148,157	—	34,409	327,519	5,143,080
Fuel consumed:										
Turbo fuel:										
Quantity .....	gal.	16,330,352	65,042,327	81,372,879	448,338	—	1,305,683	—	1,754,021	83,126,700
Cost .....	\$	2,902,914	8,916,008	11,818,922	106,694	—	293,061	—	399,755	12,218,677
Gasoline:										
Quantity .....	gal.	6,738,921	33,205,741	39,944,662	1,192,799	3,392,495	594,536	1,064,009	6,243,839	46,188,501
Cost .....	\$	2,075,664	8,896,983	10,972,647	377,666	1,497,782	213,770	503,817	2,593,035	13,565,682
Oil consumed:										
Turbo aircraft:										
Quantity .....	gal.	4,388	12,449	16,837	93	—	550	—	643	17,480
Cost .....	\$	41,821	29,848 <sup>5</sup>	71,669	1,165	—	6,994	—	8,159	79,828
Other aircraft:										
Quantity .....	gal.	89,211	481,428	570,639	14,876	40,713	7,043	14,621	77,253	647,892
Cost .....	\$	116,772	395,219	511,991	14,206	50,360	8,161	14,621	87,348	599,339
Average number of employees:										
Flying personnel .....	No.	414	1,591	2,005	33	120	46	44	243	2,248
Other personnel .....	"	2,269	9,604	11,873	153	508	230	162	1,053	12,926
Totals .....	"	2,683	11,195	13,878	186	628	276	206	1,296	15,174
Salaries and wages paid:										
Flying personnel .....	\$	3,708,192	13,070,977	16,779,169	280,688	984,828	289,889	317,003	1,872,408	18,651,577
Other personnel .....	\$	10,641,358	50,801,531	61,442,889	774,112	2,296,002	958,158	681,738	4,710,010	66,152,899
Totals .....	\$	14,349,550	63,872,508	78,222,058	1,054,800	3,280,830	1,248,047	998,741	6,582,418	84,804,476

<sup>1</sup> Routes included in scheduled or non-scheduled services according to predominant class of service.<sup>2</sup> Breakdown not available.<sup>3</sup> Standard passenger weight used: 200 pounds.<sup>4</sup> Except for hours flown, these data relate to transportation services only.<sup>5</sup> Includes adjustment for reclaimed oil.



TABLE 4. Interline Traffic<sup>1</sup>, Canadian Scheduled Carriers - All Services, by Company, 1960

		Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Revenue passengers carried:								
Originated	No.	275,541	51,422	116,311	117,957	36,224	2,930,990	3,528,455
Domestic interline	"	29,892	5,179	—	184	—	—	—
Foreign interline	"	28,858	—	—	—	—	490,231	554,344
<b>Totals<sup>2</sup></b>	"	<b>334,291</b>	<b>56,601</b>	<b>116,311</b>	<b>118,151</b>	<b>36,224</b>	<b>3,421,221</b>	<b>4,082,799</b>
Revenue express carried:								
Originated	lb.	791,582	—	395,111	3,099,794	120,896	8,158,093	12,565,476
Domestic interline	"	—	—	—	—	—	—	—
Foreign interline	"	—	—	—	—	—	—	—
<b>Totals<sup>2</sup></b>	"	<b>791,582</b>	<b>—</b>	<b>395,111</b>	<b>3,099,794</b>	<b>120,896</b>	<b>8,158,093</b>	<b>12,565,476</b>
Revenue freight carried:								
Originated	"	2,449,875	6,172,419	4,891,062	—	545,645	31,284,766	45,343,767
Domestic interline	"	147,248	4,247	—	—	—	—	151,495
Foreign interline	"	629,147	—	—	—	—	—	629,147
<b>Totals<sup>2</sup></b>	"	<b>3,226,270</b>	<b>6,176,666</b>	<b>4,891,062</b>	<b>—</b>	<b>545,645</b>	<b>31,284,766</b>	<b>46,124,409</b>
Revenue excess baggage carried:								
Originated	"	491,395	147,463	367,352	755,394	99,703	3,886,032	5,747,339
Domestic interline	"	28,592	3,304	—	—	—	29,439	61,335
Foreign interline	"	27,170	—	—	—	—	277,967	305,137
<b>Totals<sup>2</sup></b>	"	<b>547,157</b>	<b>150,767</b>	<b>367,352</b>	<b>755,394</b>	<b>99,703</b>	<b>4,193,438</b>	<b>6,113,811</b>
Revenue mail carried:								
Originated	"	1,949,254	1,342,309	1,590,210	1,024,504	208,471	26,290,776	32,405,524
Domestic interline	"	—	—	—	—	—	—	—
Foreign interline	"	—	—	—	—	—	—	—
<b>Totals<sup>2</sup></b>	"	<b>1,949,254</b>	<b>1,342,309</b>	<b>1,590,210</b>	<b>1,024,504</b>	<b>208,471</b>	<b>26,290,776</b>	<b>32,405,524</b>

<sup>1</sup> Includes only scheduled and non-scheduled services designated as mainline by Air Transport Board.<sup>2</sup> Excludes division interline.

TABLE 5. Operating Statistics, Canadian Group 1 Carriers—Unit Toll Services, by Area of Service, 1960

		Trans- border services	Trans- Atlantic and Polar services	Southern services	Pacific and Orient services	Total Inter- national services	Domestic services	Grand total
Revenue departures								
Originated	No.	31,783	5,014	3,305	1,294	41,396	146,583	187,979
Revenue hours flown	"	53,807	26,097	14,060	9,187	103,151	200,827	303,978
Revenue miles scheduled	"	11,156,964	7,804,022	3,446,524	2,804,493	25,212,003	42,358,565	67,570,568
Revenue miles flown:								
Scheduled services:								
Regular	"	10,784,509	7,656,842	3,431,920	2,738,469	24,611,740	41,477,032	66,088,772
Extra sections	"	564,918	221,084	108,650	35,773	930,425	1,698,302	2,628,727
Non-scheduled services:								
Originated	"	—	—	—	—	—	498,490	498,490
<b>Totals</b>	"	<b>11,349,427</b>	<b>7,877,926</b>	<b>3,540,570</b>	<b>2,774,242</b>	<b>25,542,165</b>	<b>43,673,824</b>	<b>69,215,989</b>
Ratio of regular miles flown to miles scheduled								
		96.7	98.1	99.6	97.6	97.6	97.9	97.8
Revenue passengers carried								
Originated	No.	..	..	..	..	1,119,683 <sup>1</sup>	2,875,444 <sup>2</sup>	3,995,127 <sup>2</sup>
Revenue freight carried	lb.	..	..	..	..	14,465,630 <sup>1</sup>	25,394,923 <sup>2</sup>	39,860,553 <sup>2</sup>
Revenue passenger-miles	No.	340,544,630	454,594,806	115,743,663	111,148,998	1,022,032,097	1,537,416,455	2,559,448,552
Available seat-miles on scheduled services	"	503,407,318	724,573,420	228,781,024	215,776,798	1,672,538,560	2,314,780,458	3,987,319,018
Passenger load factor on scheduled services		67.6	62.7	50.6	51.5	61.1	65.8	63.9
Revenue goods ton-miles:								
Express	No.	440,221	—	—	—	440,221	2,677,256	3,117,477
Freight	"	1,753,752	5,827,042	888,674	2,504,446	10,973,914	12,327,617	23,301,531
Excess baggage	"	221,686	204,767	122,813	57,462	606,728	789,314	1,396,042
Mail	"	401,258	2,033,186	251,601	601,566	3,287,611	9,381,396	12,669,007
<b>Totals</b>	"	<b>2,816,917</b>	<b>8,064,995</b>	<b>1,263,088</b>	<b>3,163,474</b>	<b>15,308,474</b>	<b>25,175,583</b>	<b>40,484,057</b>
Available ton-miles on scheduled services	"	58,576,443	85,904,877	28,594,158	27,175,119	200,250,597	311,390,464	511,641,061
Weight load factor on scheduled services <sup>1</sup>		62.9	62.3	44.9	52.5	58.7	57.0	57.7

<sup>1</sup> Standard passenger weight used: 200 pounds.<sup>2</sup> Includes division interline traffic.



TABLE 6. Transportation Statistics, Foreign Carriers — Unit Toll Services, by Area of Service,<sup>1</sup> 1957-60

	United States			Europe			All others			Totals		
	To	From	Total	To	From	Total	To	From	Total	To	From	Total
Revenue passengers carried:												
1957 ..... No.	251,481	255,716	507,197	24,819	42,265	67,084	3,230	3,443	6,673	279,530	301,424	580,954
1958 ..... "	221,949	215,795	437,744	36,605	48,980	85,585	2,625	2,086	4,711	261,179	266,861	528,040
1959 ..... "	264,431	250,480	514,911	47,939	61,666	109,605	2,583	2,328	4,911	314,953	314,474	629,427
1960 ..... "	282,726	273,917	556,643	68,298	80,327	148,625	3,817	3,621	7,438	354,841	357,865	712,706
Revenue freight, express and excess baggage carried:												
1957 ..... lb.	882,821	5,976,204	6,859,025	309,213	1,230,177	1,539,390	49,362	32,382	81,744	1,241,396	7,238,763	8,480,159
1958 ..... "	745,699	5,441,152	6,186,851	495,693	1,619,200	2,114,893	26,164	12,033	38,197	1,267,556	7,072,385	8,339,941
1959 ..... "	1,078,732	6,325,130	7,403,862	653,974	2,873,447	3,527,421	41,090	17,450	58,540	1,773,796	9,216,027	10,989,823
1960 ..... "	1,175,118	6,385,074	7,560,192	1,115,845	5,084,525	6,200,370	64,674	11,693	76,367	2,355,637	11,481,292	13,836,929
Mall carried:												
1957 ..... "	428,183	1,068,307	1,496,490	39,671	621,245	660,916	1,571	4,985	6,556	469,425	1,694,517	2,163,942
1958 ..... "	438,353	927,611	1,365,964	35,980	805,799	841,779	4,597	5,769	10,366	478,930	1,739,179	2,218,109
1959 ..... "	520,026	1,084,697	1,604,723	48,937	949,381	998,318	3,817	5,810	9,627	572,780	2,039,888	2,612,668
1960 ..... "	542,404	1,109,162	1,651,566	353,108	930,512	1,283,620	6,960	4,211	11,171	902,472	2,043,885	2,946,357

<sup>1</sup> Distribution of traffic between various areas not entirely accurate. See Introduction, page 5.

TABLE 7. Statistical Summary of Group V Carriers, 1960

Operating Statistics	1960	Statement of Income	1960
			dollars
Number of reporting carriers:	181	Operating revenues:	
Bulk transportation:		Bulk transportation .....	3,117,345
Revenue hours flown ..... No.	58,443	Specialty flying services .....	1,937,034
Revenue passengers carried ..... "	102,384	Total flying services .....	5,054,379
Revenue goods carried ..... lb.	6,969,899	Non-flying services .....	2,098,222
		Total operating revenues .....	7,152,601
Specialty flying services:		Operating expenses:	
Revenue hours flown:		Flying operations .....	2,825,179
Flying training ..... No.	60,163	Maintenance .....	1,352,021
Recreational flying ..... "	14,285	General services and administration .....	1,846,233
Aerial photography and survey ..... "	100	Depreciation .....	1,128,818
Aerial photography (excl. survey) ..... "	136	Total operating expenses .....	7,152,251
Aerial pest control ..... "	4,592		
Aerial advertising ..... "	47	Operating income (loss) .....	350
Aerial patrol and inspection ..... "	5,279		
Philanthropic ..... "	—	Non-operating income—net .....	Dr. 95,042
Aerial fish cultivation ..... "	—		
Geophysical survey ..... "	1,532	Income before income taxes .....	Dr. 94,892
Non-transportation charter ..... "	1,756		
Other specialty flying ..... "	4,606	Provision for income taxes .....	71,073
Total specialty flying services ..... "	92,496	Net income after income taxes .....	Dr. 165,765
Total—All services:			
Revenue hours flown ..... "	150,939		
Non-revenue hours flown ..... "	8,458		

TABLE 8. Balance Sheet, Canadian Carriers, by Revenue Group, Year Ended December 31, 1960

	Scheduled carriers			Non-scheduled carriers			Grand total
	Group I	Group II	Total	Group III	Group IV	Total	
<b>Assets:</b>							
Current assets:							
Cash and special deposits .....	8,760,800	399,648	9,160,448	632,860	312,125	944,985	10,105,433
Notes and accounts receivable .....	24,864,222	2,300,081	27,164,303	3,851,923	1,974,496	5,826,419	32,990,722
Less: Reserve for uncollectible accounts .....	132,718	74,925	207,643	165,850	91,200	257,050	464,693
Materials and supplies .....	19,038,323	882,884	19,921,207	1,913,207	1,430,175	3,343,382	23,264,589
Short term prepayments .....	555,836	441,674	997,510	475,614	342,861	818,475	1,815,985
Other current assets .....	27,199	400,227	427,426	40,257	278,263	318,520	745,946
Total current assets .....	53,113,662	4,349,589	57,463,251	6,748,011	4,246,720	10,994,731	68,457,982
Investments and special funds .....	6,316,325	2,711,316	9,027,641	2,211,151	260,869	2,472,020	11,499,661
Property and equipment:							
Operating .....	299,849,761	20,371,364	320,221,125	19,464,462	13,780,281	33,244,763	353,465,888
Less: accumulated depreciation .....	81,178,098	7,123,438	88,301,536	9,266,870	7,990,769	17,257,639	105,559,175
Non-operating .....	2,566,791	474,593	3,041,384	327,019	111,225	438,244	3,479,628
Less: accumulated depreciation .....	2,372,005	832,565	3,204,570	180,233	39,933	220,166	3,424,736
Total property and equipment .....	218,866,449	12,889,954	231,756,403	10,344,398	5,860,804	16,205,202	247,961,605
Deferred charges:							
Long term prepayments .....	3,841,429	1,081,777	4,923,206	—	62,191	62,191	4,985,397
Other deferred charges .....	129,671	1,274,593	1,404,264	305,292	435,462	740,754	2,145,018
Total deferred charges .....	3,971,100	2,356,370	6,327,470	305,292	497,653	802,945	7,130,415
Total assets .....	282,267,536	22,307,229	304,574,765	19,608,852	10,866,046	30,474,898	335,049,663
<b>Liabilities:</b>							
Current liabilities:							
Notes and accounts payable .....	20,249,275	2,699,668	22,948,943	5,535,357	2,283,032	7,818,389	30,767,332
Current portion of long term debt .....	—	1,717,593	1,717,593	647,236	744,219	1,391,455	3,109,048
Accrued taxes .....	119,358	204,379	323,737	411,832	96,622	508,654	832,391
Other current and accrued liabilities .....	10,699,976	372,187	11,072,163	568,467	516,813	1,085,280	12,157,443
Total current liabilities .....	31,068,609	4,993,827	36,062,436	7,162,892	3,640,886	10,803,778	46,866,214
Non-current liabilities:							
Long term debt .....	—	7,973,364	7,973,364	2,371,940	2,411,129	4,783,069	12,756,433
Other non-current liabilities .....	220,450,220	120	220,450,340	3,601,862	653,444	4,455,306	224,905,646
Total non-current liabilities .....	220,450,220	7,973,484	228,423,704	6,173,802	3,064,573	9,238,375	237,662,079
Deferred credits .....	912	—	912	442,099	32,389	474,488	475,400
Reserve .....	12,531,735	767,169	13,298,904	820,882	130,072	950,954	14,249,858
Capital stock and surplus:							
Capital stock issued and outstanding:							
Preferred .....	9,750,000	1,242,675	10,992,675	862,530	1,319,158	2,181,688	13,174,363
Common .....	18,000,000	848,227	18,848,227	1,313,062	946,739	2,261,801	21,110,028
Other paid-in capital .....	—	539,100	539,100	41,400	144,084	185,484	724,584
Unappropriated surplus .....	Dr. 9,533,940	5,942,747	Dr. 3,591,193	2,792,185	1,586,145	4,378,330	787,137
Total capital stock and surplus .....	18,216,060	8,572,749	26,788,809	5,009,177	3,998,126	9,007,303	35,796,112
Total liabilities .....	282,267,536	22,307,229	304,574,765	19,608,852	10,866,046	30,474,898	335,049,663

## CIVIL AVIATION

TABLE 9. Balance Sheet, Canadian Scheduled Carriers, by Company Year Ended December 31, 1960

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
<b>Assets:</b>							
<b>Current assets:</b>							
Cash	2,656,010	60,002	—	Cr. 15,855	22,830	6,059,622	8,782,609
Special deposits	—	196,428	17,222	1,825	117,196	45,168	377,839
<b>Notes and accounts receivable:</b>							
Governments	—	205,865	374,938	127,772	193,621	3,305,182	4,207,378
General traffic	3,515,029	34,314	430,671	141,612	120,071	8,333,959	12,575,656
Associated companies	2,311,612	187,222	1,564	—	1,575	471,768	2,953,739
Company personnel	34,036	7,765	34,771	1,980	2,347	95,028	175,927
Other	4,246,864	451,803	—	2,190	—	2,550,746	7,251,603
Total notes and accounts receivable	10,107,541	866,969	841,944	273,554	317,614	14,756,681	27,164,303
Less: reserve for uncollectible accounts	54,718	33,617	16,919	—	24,389	78,000	207,643
Materials and supplies	1,933,874	209,291	371,186	28,304	274,103	17,104,449	19,921,207
Short term prepayments	275,402	24,431	207,001	140,094	70,148	280,434	997,510
Other current assets	—	—	6,420	393,807	—	27,199	427,426
Total current assets	14,918,109	1,323,504	1,426,854	821,729	777,502	38,195,553	57,463,251
<b>Investments and special funds:</b>							
Investments in associated companies	8,629	2,047,101	—	—	86,815	31,679	2,174,224
Other investments	547,434	575,925	—	1,475	—	—	1,124,834
Special funds	38,516	—	—	—	—	5,690,067	5,728,583
Total investments and special funds	594,579	2,623,026	—	1,475	86,815	5,721,746	9,027,641
<b>Property and equipment:</b>							
Operating	26,522,290	4,456,012	5,339,955	7,302,746	3,248,650	273,327,471	320,197,124
Less: accumulated depreciation	10,633,775	2,661,875	2,208,119	1,079,795	1,173,649	70,344,323	88,301,536
Non-operating	270,449	16,677	457,916	24,001	—	2,296,342	3,065,385
Less: accumulated depreciation	165,663	13,413	819,152	—	—	2,206,342	3,204,570
Total property and equipment	15,793,301	1,797,401	2,770,600	6,246,952	2,075,001	203,073,148	231,756,403
<b>Deferred charges:</b>							
Long term prepayments	—	—	—	37,362	—	191,789	229,151
Developmental and pre-operating costs	2,224,763	—	79,374	—	212,081	1,424,877	3,941,095
Unamortized discount and expense on debt	—	—	49,264	703,696	—	—	752,960
Property acquisition adjustment	—	—	—	—	—	—	—
Other intangibles	—	—	1,274,593	—	—	—	1,274,593
Other deferred charges	129,671	—	—	—	—	—	129,671
Total deferred charges	2,354,434	—	1,403,231	741,058	212,081	1,616,666	6,327,470
<b>Total assets</b>	<b>33,660,423</b>	<b>5,743,931</b>	<b>5,600,685</b>	<b>7,811,214</b>	<b>3,151,399</b>	<b>248,607,113</b>	<b>304,574,765</b>
<b>Liabilities:</b>							
<b>Current liabilities:</b>							
<b>Notes and accounts payable:</b>							
Current notes payable	—	—	450,660	—	155,000	—	605,660
Accounts payable—general	2,937,644	306,889	663,443	516,599	338,795	4,226,871	8,990,241
Collections as agents—traffic	1,595,158	3,469	13,717	—	18,978	5,415,005	7,046,327
Collections as agents—other	289,065	—	44,577	—	1,931	1,693,610	2,029,183
Associated companies	871,157	103,940	—	—	81,670	3,220,765	4,277,532
Current portion of long term debt	—	600,000	349,541	768,052	—	—	1,717,593
Total notes and accounts payable	5,693,024	1,014,298	1,521,938	1,284,651	596,374	14,556,251	24,666,536
Accrued salaries and wages	552,273	40,774	153,185	49,988	25,023	2,440,965	3,262,208
Accrued taxes	71,289	159,396	44,983	—	—	48,069	323,737
Dividends payable	—	—	—	—	243	—	243
Air travel plan liability	—	—	—	—	582	1,722,100	1,722,682
Unearned transportation revenue	1,776,236	28,845	10,592	—	29,124	3,156,618	5,001,415
Other current liabilities	1,000,409	—	—	—	33,831	51,375	1,085,615
Total current liabilities	9,093,231	1,243,313	1,730,698	1,334,639	685,177	21,975,378	36,062,436
<b>Non-current liabilities:</b>							
Long term debt	—	120,088	1,120,481	5,123,906	1,608,889	—	7,973,364
Advances from associated companies	7,379,191	—	—	—	120	209,100,000	216,479,311
Pension liability	—	—	—	—	—	—	—
Other non-current liabilities	3,971,029	—	—	—	—	—	3,971,029
Total non-current liabilities	11,350,220	120,088	1,120,481	5,123,906	1,609,009	209,100,000	228,423,704
<b>Deferred credits:</b>							
Unamortized premium on debt	—	—	—	—	—	—	—
Other deferred credits	912	—	—	—	—	—	912
Total deferred credits	912	—	—	—	—	—	912
<b>Reserves:</b>							
Reserve for major overhauls	—	50,000	284,734	—	432,435	—	767,169
Reserve for self-insurance	—	—	—	—	—	5,690,067	5,690,067
Other reserves	—	—	—	—	—	6,841,668	6,841,668
Total reserves	—	50,000	284,734	—	432,435	12,531,735	13,298,904
<b>Capital stock and surplus:</b>							
<b>Capital stock issued and outstanding:</b>							
Preferred	9,750,000	—	1,158,950	47,225	36,500	—	10,992,675
Common	13,000,000	15,000	356,493	67,708	409,026	5,000,000	18,848,227
<b>Capital stock subscribed and unissued</b>							
Other paid in capital	—	539,100	—	—	—	—	539,100
Unappropriated surplus	Dr. 9,533,940	3,776,430	949,329	1,237,736	Dr. 20,748	—	Dr. 3,591,193
Total capital stock and surplus	13,216,060	4,330,530	2,464,772	1,352,669	424,778	5,000,000	26,788,809
<b>Total liabilities</b>	<b>33,660,423</b>	<b>5,743,931</b>	<b>5,600,685</b>	<b>7,811,214</b>	<b>3,151,399</b>	<b>248,607,113</b>	<b>304,574,765</b>



**TABLE 10. Property and Equipment and Accumulated Depreciation, Canadian Carriers, by Revenue Group,  
Year Ended December 31, 1960**

No.		Cost		
		Beginning of year	Additions	Retirements
Group I and II Carriers				
	Operating property and equipment:			
1	Flight equipment .....	145,056,296	61,416,641	7,356,120
2	Ground equipment .....	16,670,609	7,576,662	263,395
3	Buildings and other improvements .....	13,550,571	25,755,928	768,333
4	Total flight and ground property and equipment .....	175,277,476	94,749,231	8,387,848
5	Land .....	46,426	900	989
6	Construction work in progress .....	67,425,729	Dr. 8,874,793	—
7	Total operating property and equipment .....	242,749,631	85,875,338	8,388,837
8	Non-operating property and equipment .....	495,126	2,623,436	359,764
9	Total property and equipment .....	243,244,757	88,498,774	8,748,601
Group III Carriers				
	Operating property and equipment:			
10	Flight equipment .....	12,938,187	2,767,798	863,887
11	Ground equipment .....	1,041,656	331,037	64,992
12	Buildings and other improvements .....	2,324,157	451,770	58,392
13	Total flight and ground property and equipment .....	16,304,000	3,550,605	987,271
14	Land .....	68,399	500	1,103
15	Construction work in progress .....	—	—	—
16	Total operating property and equipment .....	16,372,399	3,551,105	988,374
17	Non-operating property and equipment .....	9,770	318,658	1,408
18	Total property and equipment .....	16,382,169	3,869,763	989,782
Group IV Carriers				
	Operating property and equipment:			
19	Flight equipment .....	9,427,433	2,519,874	1,247,289
20	Ground equipment .....	1,060,870	203,976	83,151
21	Buildings and other improvements .....	1,587,698	205,984	25,591
22	Total flight and ground property and equipment .....	12,076,001	2,929,834	1,356,031
23	Land .....	248,056	7,469	3,500
24	Construction work in progress .....	—	5,876	—
25	Total operating property and equipment .....	12,324,057	2,943,179	1,359,531
26	Non-operating property and equipment .....	89,075	20,315	12,938
27	Total property and equipment .....	12,413,132	2,963,494	1,372,469



**TABLE 10. Property and Equipment and Accumulated Depreciation, Canadian Carriers, by Revenue Group,  
Year Ended December 31, 1960**

Cost				Accumulated depreciation				No.
Adjustments		End of year	Beginning of year	Adjustments		Depreciation during year	End of year	
Debit	Credit			Debit	Credit			
Group I and II Carriers								
1,295,454	1,325,010	199,087,261	65,625,671	3,800,682	240,611	12,626,058	74,691,658	1
533,336	527,169	23,990,043	7,259,361	585,176	223,909	1,641,788	8,539,862	2
8,382	—	38,546,548	4,389,694	211,394	4,083	887,634	5,070,017	3
1,837,172	1,852,179	261,623,852	77,274,726	4,597,252	468,603	15,155,460	88,301,537	4
—	—	46,337	—	—	—	—	—	5
—	—	58,550,936	—	—	—	—	—	6
1,837,172	1,852,179	320,221,125	77,274,726	4,597,252	468,603	15,155,460	88,301,537	7
282,586	—	3,041,384	509,529	340,569	382,132	2,653,478	3,204,570	8
2,119,758	1,852,179	323,262,509	77,784,255	4,937,821	850,735	17,808,938	91,506,107	
Group III Carriers								
624,674	77,123	15,289,549	7,107,818	858,091	423,868	1,459,599	8,133,194	10
156,832	147,084	1,317,449	531,350	141,929	89,259	132,632	591,312	11
30,037	—	2,747,572	530,643	42,876	10,536	162,371	660,874	12
711,443	224,207	19,354,570	8,170,011	1,042,896	503,663	1,754,602	9,385,380	13
42,117	—	109,913	—	—	—	—	—	14
—	—	—	—	—	—	—	—	15
753,560	224,207	19,464,483	8,170,011	1,042,896	503,663	1,754,602	9,385,380	16
—	—	327,020	6,770	211	38,130	17,038	61,727	17
753,560	224,207	19,791,503	8,176,781	1,043,107	541,793	1,771,640	9,447,107	18
Group IV Carriers								
—	108,733	10,591,285	5,827,506	500,757	44,619	1,363,083	6,734,451	19
—	3,802	1,177,893	1,073,230	42,818	9,581	223,686	1,263,679	20
—	114	1,767,977	—	—	—	—	—	21
—	112,649	13,537,155	6,900,736	543,575	54,200	1,586,769	7,998,130	22
—	—	252,025	—	—	—	—	—	23
—	—	5,876	—	—	—	—	—	24
—	112,649	13,795,056	6,900,736	543,575	54,200	1,586,769	7,998,130	25
—	—	96,452	23,794	627	511	8,896	32,574	26
—	112,649	13,891,508	6,924,530	544,202	54,711	1,595,665	8,030,704	27

**TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company.  
Year Ended December 31, 1960**

No.		Cost		
		Beginning of year	Additions	Retirements
Canadian Pacific Air Lines				
	Operating property and equipment:			
	Flight equipment:			
1	Airframes .....	13,916,639	911,506	2,170,868
2	Aircraft engines .....	3,990,168	166,214	594,074
3	Aircraft propellers .....	—	26,268	108,034
4	Aircraft communications and navigational equipment .....	785,642	29,566	115,131
5	Miscellaneous flight equipment .....	—	3,829	2,868
6	Flight equipment, spare parts and assemblies .....	2,806,084	913,991	117,189
7	Total flight equipment, spare parts and assemblies .....	21,498,533	2,051,374	3,108,164
	Ground property and equipment:			
8	Ramp equipment .....	—	145,540	—
9	Communications and meteorological equipment .....	69,650	—	14,316
10	Maintenance and engineering equipment .....	787,024	138,214	15,074
11	Surface transport vehicles and equipment .....	336,348	25,882	30,092
12	Furniture, fixtures and office equipment .....	396,011	19,746	19,035
13	Miscellaneous ground equipment .....	1,484,523	4,771	32,084
14	Buildings and other improvements .....	3,020,477	67,319	24,003
15	Total operating ground property and equipment .....	6,094,033	401,472	134,604
16	Land .....	3,221	—	989
17	Construction work in progress .....	—	—	—
18	Total operating property and equipment .....	27,595,787	2,452,846	3,243,787
19	Non-operating property and equipment .....	—	—	12,137
20	Total property and equipment .....	27,595,787	2,452,846	3,255,894
Maritime Central Airways				
	Operating property and equipment:			
	Flight equipment:			
21	Airframes .....	2,182,221	9,236	31,565
22	Aircraft engines .....	728,681	55,614	109,731
23	Aircraft propellers .....	69,172	1,628	2,244
24	Aircraft communications and navigational equipment .....	88,860	5,543	2,618
25	Miscellaneous flight equipment .....	109,388	2,391	500
26	Flight equipment spare parts and assemblies .....	211,391	36,267	16,752
27	Total flight equipment .....	3,389,713	110,679	163,410
	Ground property and equipment:			
28	Ramp equipment .....	46,508	29,546	—
29	Communications and meteorological equipment .....	49,184	95	429
30	Maintenance and engineering equipment .....	1,800	4,257	—
31	Surface transport vehicles and equipment .....	39,433	27,167	10,359
32	Furniture, fixtures and office equipment .....	78,030	9,990	2,122
33	Miscellaneous ground equipment .....	168,418	3,487	—
34	Buildings and other improvements .....	1,193,767	20,169	545,865
35	Total operating ground property and equipment .....	1,577,140	94,711	558,775
36	Land .....	—	—	—
37	Construction work in progress .....	5,054	900	—
38	Total operating property and equipment .....	4,971,907	206,290	722,185
39	Non-operating property and equipment .....	16,037	640	—
40	Total property and equipment .....	4,987,944	206,930	722,185

TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company, Year Ended December 31, 1960

Cost		Accumulated depreciation							No.
Adjustments		End of year	Beginning of year	Adjustments		Depreciation during year		End of year	
Debit	Credit			Debit	Credit	Rate	Amount		
Canadian Pacific Air Lines									
—	1,051,463	11,605,814	5,126,084	1,152,007	—	8.5	1,022,829	4,996,906	1
—	38,187	3,524,121	1,793,443	343,050	—	8.5	316,207	1,766,600	2
629,458	—	547,692	—	—	155,919	8.5	46,705	202,624	3
—	198,838	501,239	320,596	158,203	—	8.5	44,787	207,180	4
372,483	—	373,444	—	—	75,237	8.5	30,691	105,928	5
—	10,588	3,592,298	849,119	5,677	—	10.0	292,138	1,135,580	6
1,001,941	1,299,076	20,144,608	8,089,242	1,658,937	231,156	...	1,753,357	8,414,818	7
377,915	—	523,455	—	—	135,857	10.0	34,329	170,186	8
—	1,427	53,907	69,650	15,743	—	—	—	53,907	9
153,773	—	1,063,937	500,224	—	87,446	10.0	81,969	669,639	10
—	230,775	101,363	244,812	181,041	—	25.0	5,691	69,462	11
1,346	—	398,068	213,500	17,175	—	10.0	38,822	235,147	12
—	294,665	1,162,545	539,422	244,753	—	10.0	103,637	398,306	13
8,382	—	3,072,175	743,752	22,231	—	10.0	—	—	—
—	—	—	—	—	—	20.0	100,789	822,310	14
—	—	—	—	—	—	40.0	—	—	—
541,416	526,867	6,375,450	2,311,360	480,943	223,303	...	365,237	2,418,957	15
—	—	2,232	...	...	...	...	...	...	16
—	—	—	...	...	...	...	...	...	17
1,543,367	1,825,943	26,522,290	10,400,602	2,139,880	454,459	...	2,118,594	10,833,775	18
282,586	—	270,449	—	—	138,848	8.5	26,815	165,663	19
1,825,943	1,825,943	26,792,739	10,400,602	2,139,880	593,307	...	2,145,409	10,999,438	20
Maritime Central Airways									
—	—	2,159,892	1,282,316	30,387	—	21.5	195,085	1,447,014	21
—	—	674,564	380,108	79,068	—	20	74,705	375,745	22
—	—	68,556	26,421	750	—	20	8,577	34,248	23
—	—	91,785	60,668	2,184	—	20	6,660	65,144	24
—	—	111,279	90,609	356	—	20	4,205	94,458	25
—	—	230,906	99,398	3,398	—	40	51,011	147,011	26
—	—	3,336,982	1,939,520	116,143	—	...	340,243	2,163,620	27
—	—	76,054	23,638	—	—	20	—	—	—
—	—	48,850	37,299	328	—	30	15,169	38,807	28
—	—	6,057	1,686	—	—	25	2,970	39,941	29
—	—	56,241	23,233	6,749	606	20	886	2,572	30
—	—	85,898	41,914	1,377	—	30	11,698	28,788	31
—	—	171,905	106,378	—	—	20	9,072	49,609	32
—	—	658,071	262,258	77,349	386	20	13,105	119,483	33
—	—	—	—	—	—	5	—	—	—
—	—	—	—	—	—	10	33,760	219,055	34
—	—	1,113,076	496,406	85,803	992	...	86,660	498,255	35
—	—	—	—	—	—	...	—	—	—
—	—	5,954	...	...	...	...	...	...	36
—	—	—	—	—	—	...	...	...	37
—	—	4,456,012	2,435,926	201,946	992	..	426,903	2,661,875	38
—	—	16,677	12,209	—	—	..	1,204	13,413	39
—	—	4,472,689	2,448,135	201,946	992	...	428,107	2,675,288	40

**TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company.**  
**Year Ended December 31, 1960 - Continued**

No.		Cost		
		Beginning of year	Additions	Retirements
Pacific Western Airlines				
	Operating property and equipment:			
	Flight equipment:			
1	Airframes .....	3,268,351	12,529	268,897
2	Aircraft engines .....	736,332	55,254	134,609
3	Aircraft propellers .....	—	—	—
4	Aircraft communications and navigational equipment .....	140,232	4,381	2,902
5	Miscellaneous flight equipment .....	18,267	886	—
6	Flight equipment, spare parts and assemblies .....	265,204	15,429	27,182
7	Total flight equipment .....	4,428,386	88,479	433,590
	Ground property and equipment:			
8	Ramp equipment .....	—	—	—
9	Communications and meteorological equipment .....	134,110	7,500	—
10	Maintenance and engineering equipment .....	163,647	6,529	1,172
11	Surface transport vehicles and equipment .....	107,813	4,977	10,555
12	Furniture, fixtures and office equipment .....	147,604	6,088	236
13	Miscellaneous ground equipment .....	85,343	12,408	185
14	Buildings and other improvements .....	326,687	5,922	22,450
15	Total operating ground property and equipment .....	965,204	43,424	34,598
16	Land .....	1,352	—	—
17	Construction work in progress .....	—	13,719	—
18	Total operating property and equipment .....	5,394,942	145,622	468,188
19	Non-operating property and equipment .....	479,089	—	21,173
20	Total property and equipment .....	5,874,031	145,622	489,361
Quebecair Inc.				
	Operating property and equipment:			
	Flight equipment:			
21	Airframes .....	2,792,236	2,782,286	—
22	Aircraft engines .....	141,304	204,463	—
23	Aircraft propellers .....	—	—	—
24	Aircraft communications and navigational equipment .....	179,473	4,943	27
25	Miscellaneous flight equipment .....	7,337	326	—
26	Flight equipment, spare parts and assemblies .....	—	—	—
27	Total flight equipment .....	3,120,350	2,992,018	27
	Ground property and equipment:			
28	Ramp equipment .....	119,002	36,443	155
29	Communications and meteorological equipment .....	44,316	19,546	756
30	Maintenance and engineering equipment .....	96,903	14,815	—
31	Surface transport vehicles and equipment .....	24,253	6,864	7,036
32	Furniture, fixtures and office equipment .....	84,220	22,341	1,331
33	Miscellaneous ground equipment .....	15,186	2,060	5
34	Buildings and other improvements .....	637,347	76,793	400
35	Total operating ground property and equipment .....	1,021,227	178,862	9,683
36	Land .....	24,000	—	—
37	Construction work in progress .....	—	—	—
38	Total operating property and equipment .....	4,165,577	3,170,880	9,710
39	Non-operating property and equipment .....	—	—	—
40	Total property and equipment .....	4,165,577	3,170,880	9,710



TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company  
Year Ended December 31, 1960 - Continued

Cost		Accumulated depreciation							No.
Adjustments		End of year	Beginning of year	Adjustments		Depreciation during year		End of year	
Debit	Credit			Debit	Credit	Rate	Amount		
Pacific Western Airlines									
-	-	3,011,983	1,095,179	121,881	-	..	431,280	1,404,578	1
-	-	656,977	207,909	55,289	-	..	103,597	256,217	2
-	-	-	-	-	-	-	-	-	3
-	25,934	115,777	44,366	10,284	-	..	17,278	51,360	4
-	-	19,153	6,837	-	-	..	2,270	9,107	5
293,513	-	546,964	101,174	18,562	9,455	..	35,564	127,631	6
293,513	25,934	4,350,854	1,455,465	206,016	9,455	...	589,989	1,848,893	7
-	-	-	-	-	-	-	-	-	8
-	-	141,610	34,099	-	-	..	12,182	46,281	9
-	-	169,004	49,575	121	-	..	12,745	62,199	10
-	-	102,235	50,505	12,499	-	..	12,587	50,593	11
302	-	153,758	48,541	89	-	..	12,861	61,313	12
-	302	97,264	20,155	191	-	..	7,563	27,527	13
-	-	310,159	82,652	5,207	3,697	..	30,171	111,313	14
302	302	974,030	285,527	18,107	3,697	...	88,109	359,226	15
-	-	1,352	-	-	-	-	-	-	16
-	-	13,719	-	-	-	-	-	-	17
293,815	26,236	5,339,955	1,740,992	224,123	13,152	...	678,098	2,208,119	18
-	-	457,916	497,320	24,115	243,284	...	102,663	619,152	19
293,815	26,236	5,797,871	2,238,312	248,238	256,436	...	780,761	3,027,271	20
Quebecair Inc.									
-	-	5,574,522	491,922	-	-	10	263,576	755,498	21
-	-	345,767	22,258	-	-	10	13,667	35,925	22
-	-	-	-	-	-	-	-	-	23
-	-	184,389	22,638	23	-	10	18,355	40,970	24
-	-	7,663	3,362	-	-	10	629	3,991	25
-	-	-	-	-	-	-	-	-	26
-	-	6,112,341	540,180	23	-	...	296,227	836,384	27
-	-	155,290	48,148	14	-	10	15,529	63,663	28
-	-	63,106	19,064	57	-	10	5,494	24,501	29
-	-	111,718	23,053	-	-	10	10,748	33,801	30
-	-	24,081	12,664	2,462	-	15	2,597	12,799	31
-	-	105,230	15,813	1,259	-	10	10,474	25,028	32
-	-	17,241	1,748	1	-	10	1,724	3,471	33
-	-	713,740	49,035	70	-	5, 2½, 2	31,184	80,149	34
-	-	1,190,406	169,525	3,863	-	...	77,750	243,412	35
-	-	24,000	-	-	-	-	-	-	36
-	-	-	-	-	-	-	-	-	37
-	-	7,326,747	709,705	3,886	-	...	373,977	1,079,796	38
-	-	-	-	-	-	...	-	-	39
-	-	7,326,747	709,705	3,886	-	...	373,977	1,079,796	40

**TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company.**  
**Year Ended December 31, 1960 - Concluded**

No.		Cost		
		Beginning of year	Additions	Retirements
Transair Ltd.				
	Operating property and equipment:			
	Flight equipment:			
1	Airframes.....	1,436,944	84,463	—
2	Aircraft engines .....	531,235	37,746	21,289
3	Aircraft propellers .....	—	—	—
4	Aircraft communications and navigational equipment .....	47,362	3,392	—
5	Miscellaneous flight equipment .....	11,285	—	—
6	Flight equipment, spare parts and assemblies .....	—	—	—
7	Total flight equipment .....	2,026,826	125,601	21,289
	Ground property and equipment:			
8	Ramp equipment .....	—	—	—
9	Communications and meteorological equipment .....	53,446	3,128	—
10	Maintenance and engineering equipment .....	82,880	4,581	826
11	Surface transport vehicles and equipment .....	86,927	450	1,769
12	Furniture, fixtures, and office equipment .....	62,700	7,263	696
13	Miscellaneous ground equipment .....	—	—	—
14	Buildings and other improvements .....	789,712	17,617	700
15	Total operating ground property and equipment .....	1,075,665	33,039	3,991
16	Land .....	12,799	—	—
17	Construction work in progress .....	—	—	—
18	Total operating property and equipment .....	3,115,290	158,640	25,280
19	Non-operating property and equipment .....	—	—	—
20	Total property and equipment .....	3,115,290	158,640	25,280
Trans-Canada Air Lines				
	Operating property and equipment:			
	Flight equipment:			
21	Airframes.....	76,810,027	40,557,080	1,878,832
22	Aircraft engines .....	13,899,745	7,072,292	350,492
23	Aircraft propellers .....	2,611,046	233,291	76,376
24	Aircraft communications and navigational equipment .....	2,723,319	348,236	43,002
25	Miscellaneous flight equipment .....	47,403	Dr. 7,859	—
26	Flight equipment, spare parts and assemblies .....	14,500,948	7,845,450	1,280,938
27	Total flight equipment .....	110,592,488	56,048,490	3,629,640
	Ground property and equipment:			
28	Ramp equipment .....	—	4,911,522	7,509
29	Communications and meteorological equipment .....	407,380	26,155	3,994
30	Maintenance and engineering equipment .....	4,088,093	3,593,566	32,602
31	Surface transport vehicles and equipment .....	2,197,100	Dr. 1,862,497	21,983
32	Furniture, fixtures and office equipment .....	2,174,324	428,819	39,194
33	Miscellaneous ground equipment .....	3,038,433	Dr. 84,591	9,880
34	Buildings and other improvements .....	7,582,581	25,568,108	174,915
35	Total operating ground property and equipment .....	19,487,911	32,581,082	290,077
36	Land .....	—	—	—
37	Construction work in progress .....	67,425,729	Dr. 8,888,512	—
38	Total operating property and equipment .....	197,506,128	79,741,060	3,919,717
39	Non-operating property and equipment .....	—	2,622,796	326,464
40	Total property and equipment .....	197,506,128	82,363,856	4,246,171

TABLE 11. Property and Equipment and Accumulated Depreciation, Canadian Scheduled Carriers, by Company.  
Year Ended December 31, 1960 - Concluded

Cost		Accumulated depreciation							No.
Adjustments		End of year	Beginning of year	Adjustments		Depreciation during year		End of year	
Debit	Credit			Debit	Credit	Rate	Amount		
Transair Ltd.									
-	-	1,521,407	473,493	-	-	..	126,244	599,737	1
-	-	547,692	43,361	-	-	..	10,037	53,398	2
-	-	-	-	-	-	-	-	-	3
-	-	50,754	35,477	-	-	40	6,111	41,588	4
-	-	11,285	9,615	52	-	40	720	10,283	5
-	-	-	-	-	-	-	-	-	6
-	-	2,131,138	561,946	52	-	...	143,112	705,006	7
-	-	-	-	-	-	-	-	-	8
-	-	56,574	29,950	-	-	25	6,656	36,606	9
-	-	86,635	43,346	436	-	20	8,743	51,653	10
-	-	85,608	64,222	1,473	-	25	6,869	69,618	11
-	-	69,267	37,721	112	-	20	6,333	43,942	12
-	-	-	-	-	-	-	-	-	13
-	-	806,629	227,184	328	-	5, 10	39,968	266,824	14
-	-	1,104,713	402,423	2,349	-	...	68,569	468,643	15
-	-	12,799	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	17
-	-	3,248,650	964,369	2,401	-	...	211,681	1,173,649	18
-	-	-	-	-	-	-	-	-	19
-	-	3,248,650	964,369	2,401	-	...	211,681	1,173,649	20
Trans-Canada Air Lines									
-	-	115,488,275	33,780,738	385,915	-	..	6,413,936	39,808,759	21
-	-	20,621,545	7,413,436	199,254	-	..	1,214,248	8,428,430	22
-	-	2,767,961	1,642,966	43,420	-	..	135,408	1,734,954	23
-	-	3,028,553	1,573,185	24,446	-	..	118,807	1,667,546	24
-	-	39,544	47,403	-	-	..	Cr. 8,366	39,037	25
-	-	21,065,460	8,581,590	1,166,476	-	..	1,629,097	9,044,211	26
-	-	163,011,338	53,039,318	1,819,511	-	...	9,503,130	60,722,937	27
-	-	4,904,013	-	6,484	-	..	1,223,438	1,216,954	28
-	-	429,541	327,232	3,765	-	..	9,351	332,818	29
-	-	7,649,057	2,432,915	28,672	-	..	667,683	3,071,926	30
-	-	312,620	908,224	16,862	-	..	Cr. 716,159	175,203	31
-	-	2,563,949	569,387	34,323	-	..	212,987	748,051	32
-	-	2,943,962	721,243	9,190	-	..	Cr. 205,985	506,068	33
-	-	32,975,774	3,024,813	106,209	-	..	651,762	3,570,366	34
-	-	51,778,916	7,983,614	205,505	-	...	1,843,077	9,621,386	35
-	-	-	-	-	-	-	-	-	36
-	-	58,537,217	-	-	-	-	-	-	37
-	-	273,327,471	61,023,132	2,025,016	-	...	11,346,207	70,344,323	38
-	-	2,296,342	-	316,454	-	..	2,522,796	2,206,342	39
-	-	275,623,813	61,023,132	2,341,470	-	...	13,869,003	72,550,665	40

TABLE 12. Statement of Income, Canadian Carriers — All Services, by Revenue Group, Year Ended December 31, 1960

	Scheduled carriers			Non-scheduled carriers			Grand total	Grand total 1959
	Group I	Group II <sup>1</sup>	Total	Group III <sup>1</sup>	Group IV	Total		
dollars								
Operating revenues:								
Unit toll transportation:								
Passengers .....	157,771,630	8,237,277	166,008,907	2,204,300	505,684	2,709,984	168,718,891	152,317,247
Express .....	2,785,950	582,690	3,368,640	111,229	21,937	133,166	3,501,806	3,630,738
Freight .....	7,458,922	2,364,717	9,823,639	945,992	58,931	1,004,923	10,828,562	9,201,872
Excess baggage .....	1,443,662	332,733	1,776,395	58,506	12,403	70,909	1,847,304	1,716,602
Mail .....	11,998,790	1,090,486	13,089,276	638,382	66,475	704,857	13,794,133	13,437,772
Total unit toll transportation .....	181,458,954	12,607,903	194,066,857	3,958,409	665,430	4,623,839	198,690,696	180,304,231
Bulk transportation .....	1,590,880	5,174,157	6,765,037	12,783,074	7,651,668	20,434,742	27,199,779	29,003,250
Total transportation .....	183,049,834	17,782,060	200,831,894	16,741,483	8,317,098	25,058,581	225,890,475	209,307,481
Other flying services .....	25,814	239,137	264,951	2,384,401	2,687,005	5,071,406	5,336,357	6,491,202
Total flying services .....	183,075,648	18,021,197	201,096,845	19,125,884	11,004,103	30,129,987	231,226,832	215,798,683
Non-flying services .....	2,062,529	315,304	2,377,833	999,081	1,369,816	2,368,897	4,746,730	4,624,875
Total operating revenues .....	185,138,177	18,336,501	203,474,678	20,124,965	12,373,919	32,498,884	235,973,562	220,423,558
Operating expenses:								
Flying operations .....	48,231,939	6,758,729	54,990,668	8,032,343	5,098,771	13,131,114	68,121,782	71,229,855
Maintenance .....	45,319,982	4,435,629	49,755,611	5,347,200	3,155,137	8,502,337	58,257,948	62,385,187
General services and administration:								
Passenger service .....	14,755,538	423,270	15,178,808	..	..	..	..	..
Aircraft and traffic servicing .....	29,033,348	2,379,996	31,413,344	..	..	..	..	..
Promotion and sales .....	27,673,323	1,028,197	28,701,520	..	..	..	..	..
General administration .....	7,681,815	1,324,737	9,006,552	..	..	..	..	..
Totals .....	79,144,024	5,156,200	84,300,224	3,265,092	2,106,142	5,371,234	89,671,458	93,627,042
Depreciation and amortization .....	16,554,972	1,758,178	18,313,150	1,774,494	1,575,452	3,349,946	21,663,096	23,188,548
Total operating expenses .....	189,250,917	18,108,736	207,359,653	18,419,129	11,935,502	30,354,631	237,714,284	219,487,993
Operating income (loss) .....	Dr. 4,112,740	227,765	Dr. 3,884,975	1,705,836	438,417	2,144,253	Dr. 1,740,722	935,565
Non-operating income—net:								
Capital gains and losses .....	303,065	261,758	564,823	42,615	99,448	142,063	706,886	768,575
Interest and discounts .....	4,133,380	174,104	4,307,484	10,896	29,195	40,091	4,347,575	4,686,770
Miscellaneous non-operating income .....	357,175	39,947	397,122	Dr. 26,106	30,351	4,245	401,367	438,118
Income before interest expense .....	680,880	703,574	1,384,454	1,733,241	597,411	2,330,652	3,715,106	2,698,708
Interest expense .....	8,104,403	497,710	8,602,113	342,372	210,581	552,953	9,155,066	4,474,048
Income before income taxes .....	Dr. 7,423,523	205,864	Dr. 7,217,659	1,390,869	386,830	1,777,699	Dr. 5,439,960	Dr. 1,775,340
Provision for income taxes .....	7,839	252,314	260,153	655,209	95,564	750,773	1,010,926	708,888
Net income after income taxes .....	Dr. 7,431,362	Dr. 46,450	Dr. 7,477,812	735,660	291,266	1,026,926	Dr. 6,450,886	Dr. 2,484,178

<sup>1</sup> Nordair Ltd. included with Group III carriers for purposes of this report.<sup>2</sup> Not available due to a different classification.

TABLE 13. Statement of Income, Canadian Scheduled Carriers — All Services, by Company, Year Ended December 31, 1960

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans-Canada Air Lines	Total	Total 1959
dollars								
Operating revenues:								
Unit toll transportation:								
Passengers	30,175,936	1,203,530	2,742,550	2,824,293	1,466,904	127,595,694	166,008,907	149,895,106
Express	199,073	—	139,039	423,984	19,667	2,586,877	3,368,640	3,561,823
Freight	2,114,489	1,306,269	775,205	—	283,243	5,344,433	9,823,639	8,111,979
Excess baggage	311,933	24,921	174,297	103,902	29,613	1,131,729	1,776,395	1,636,822
Mail	1,754,598	244,773	521,295	126,725	197,693	10,244,192	13,089,276	12,776,469
Total unit toll transportation	34,556,029	2,779,493	4,352,386	3,478,904	1,997,120	146,902,925	194,066,857	175,982,199
Bulk transportation	1,109,822	289,959	3,999,908	112,309	771,981	481,058	6,765,037	7,263,166
Total transportation	35,665,851	3,069,452	8,352,294	3,591,213	2,769,101	147,383,983	200,831,894	183,245,365
Other flying services	—	—	184,627	—	54,510	25,814	264,951	133,750
Total flying services	35,665,851	3,069,452	8,536,921	3,591,213	2,823,611	147,409,797	201,096,845	183,379,115
Non-flying services	485,800	175,664	90,924	11,496	37,220	1,576,729	2,377,833	2,105,805
Total operating revenues	36,151,651	3,245,116	8,627,845	3,602,709	2,860,831	148,986,526	203,474,678	185,484,920
Operating expenses:								
Flying operations	13,381,841	1,061,836	3,328,783	1,293,001	1,075,109	34,850,098	54,990,668	58,022,855
Maintenance	8,287,200	603,561	2,016,132	956,722	859,214	37,032,782	49,755,611	52,385,187
General services and administration:								
Passenger service	3,182,662	95,202	230,201	61,683	36,184	11,572,876	15,178,808	15,178,808
Aircraft and traffic servicing	5,656,300	414,180	1,600,966	241,772	123,078	23,377,048	31,413,344	31,413,344
Promotion and sales	5,873,291	73,564	300,827	430,844	222,962	21,800,032	28,701,520	28,701,520
General administration	2,052,006	292,827	573,680	261,085	197,145	5,629,839	9,006,552	9,006,552
Totals	16,764,259	875,773	2,705,674	995,384	579,369	62,379,765	84,300,224	84,300,224
Depreciation and amortization	2,883,669	418,755	772,053	373,976	193,394	13,671,303	18,313,150	18,313,150
Total operating expenses	41,316,969	2,959,925	8,822,642	3,619,083	2,707,086	147,933,948	207,359,653	186,536,509
Operating income (loss)	Dr. 5,165,318	285,191	Dr. 194,797	Dr. 16,374	153,745	1,052,578	Dr. 3,884,975	Dr. 1,051,589
Non-operating income—net:								
Capital gains and losses	86,770	326,479	Dr. 72,457	Dr. 3,140	10,876	216,295	564,823	564,823
Interest and discounts	82,390	168,392	—	13	5,699	4,050,990	4,307,484	4,307,484
Miscellaneous non-operating income	179,083	3,282	35,816	600	249	178,092	397,122	397,122
Income before interest expense	Dr. 4,817,075	783,344	Dr. 231,438	Dr. 18,901	170,569	5,497,955	1,384,454	580,022
Interest expense	6,937	110,364	135,575	126,623	125,148	8,097,466	8,602,113	3,930,618
Income before income taxes	Dr. 4,824,012	672,980	Dr. 367,013	Dr. 145,524	45,421	Dr. 2,599,511	Dr. 7,217,659	Dr. 3,350,596
Provision for income taxes	—	206,964	45,000	—	350	7,839	260,153	119,915
Net income after income taxes	Dr. 4,824,012	466,016	Dr. 412,013	Dr. 145,524	45,071	Dr. 2,607,350	Dr. 7,477,812	Dr. 3,470,511

<sup>1</sup> Not available due to a different classification.



TABLE 14. Operating Expense Analysis, Canadian Group III Carriers, Year Ended December 31, 1960

Expenses	Functional classification					
	Flying operations	Maintenance			General services and administration	Depreciation and amortization
		Direct maintenance flight equipment	Direct maintenance ground property and equipment	Maintenance burden		
						Grand total
				dollars		
Salaries, wages and personnel expenses:						
General management .....				116,321	557,340	673,661
Pilots and co-pilots .....	2,559,201			—	—	2,559,201
Other flight personnel .....	123,360			Cr. 5,623	36,607	154,344
Maintenance labour .....		941,967	171,828	235,113	1,349	1,350,257
Aircraft and traffic handling .....				30,036	438,690	468,726
Trainees, instructors and unallocated shop labour .....	22,046			146,044	26,527	194,617
Communications .....				16,220	71,159	87,379
Other personnel .....				208,529	464,652	673,181
Personnel expenses .....	306,349		106	56,287	210,533	573,275
<b>Totals</b> .....	<b>3,010,956</b>	<b>941,967</b>	<b>171,934</b>	<b>802,927</b>	<b>1,806,857</b>	<b>6,734,641</b>
Materials and supplies:						
Aircraft fuels and oils .....	2,645,176			46,221	3,992	2,645,176
Maintenance materials and supplies .....		993,934	77,484	50,924	8,479	1,121,631
Shop and servicing supplies .....			1,141	10,129	75,654	60,544
Stationery, printing and office supplies .....				27,392	—	85,783
Passenger food expense .....				24,154	—	27,392
Other supplies .....	47,189		8,277	65,300	Cr. 3,159	166,691
Inventory adjustments .....			—	—	—	62,141
<b>Totals</b> .....	<b>2,692,365</b>	<b>993,934</b>	<b>86,902</b>	<b>259,645</b>	<b>136,512</b>	<b>4,169,358</b>
Other expenses:						
Communications purchased .....				19,816	160,492	180,308
Light, heat, power and water .....				90,742	45,290	136,032
Traffic commissions .....				—	59,573	59,573
Professional and technical fees and expenses .....				11,036	125,891	136,927
Other services—Associated companies .....				—	122,780	122,780
Total repairs and other services—Outside .....		1,146,958	47,177	111,285	131,153	1,436,573
Rentals .....	796,464		1,240	61,355	122,005	981,064
Landing fees—Canadian .....	97,287					97,287
Landing fees—Foreign .....	2,360					2,360
Insurance—P.L., P.D. and traffic liability .....	1,268,590		2,301	82,716	44,007	1,397,614
Insurance—Employee welfare .....	82,094		6,000	40,612	103,659	232,365
Injuries, loss and damage .....	30,186			9,703	11,241	51,130
Advertising and publicity .....				—	77,617	77,617
Interrupted trip expense .....				—	6,012	6,012
Uncollectible accounts .....				—	70,197	70,197
Taxes, other than income and payroll .....				270	63,282	63,552
Other expenses .....	52,020		1,045	44,873	178,499	276,437
Overhaul provisions—Airframes .....		154,342		—	—	154,342
Overhaul provisions—Aircraft engines .....		393,584		—	—	393,584
<b>Totals</b> .....	<b>2,329,001</b>	<b>1,694,884</b>	<b>57,763</b>	<b>472,408</b>	<b>1,321,698</b>	<b>5,875,754</b>
Depreciation and amortization:						
Amortization .....						13,308
Depreciation—Flight equipment .....						1,466,431
Maintenance equipment and hangars .....						157,207
General ground property .....					24	137,548
<b>Grand totals</b> .....	<b>8,032,322</b>	<b>3,630,785</b>	<b>316,599</b>	<b>1,534,980</b>	<b>3,265,091</b>	<b>18,554,271</b>

TABLE 15. Operating Expense Analysis, Canadian Group IV Carriers, Year Ended December 31, 1960

Expenses	Functional classification				
	Aircraft operating expenses	Maintenance		General services and administration	Depreciation and amortization
		Flight equipment	Ground property and equipment		
					Grand total
				dollars	
Salaries, wages, and personnel expenses:					
General management .....	95,338	37,598	6,093	646,534	785,563
Flight personnel .....	1,626,489		—	—	1,626,489
Maintenance labour .....	6,730	864,992	60,782	3,421	935,925
Aircraft and traffic handling .....	21,170		—	132,431	153,601
Other personnel .....	2,198	8,686	151,322	211,168	373,374
Personnel expenses .....	193,173	22,991	2,266	89,506	307,936
<b>Totals</b> .....	<b>1,945,098</b>	<b>934,267</b>	<b>220,463</b>	<b>1,083,060</b>	<b>4,182,888</b>
Materials and supplies:					
Aircraft fuel and oils .....	1,293,763	18,208	—	—	1,311,971
Maintenance materials and supplies .....	43,840	1,000,235	168,046	822	1,212,943
Other supplies .....	84,850	11,463	10,656	28,148	135,117
<b>Totals</b> .....	<b>1,422,453</b>	<b>1,029,906</b>	<b>178,702</b>	<b>28,970</b>	<b>2,660,031</b>
Other expenses:					
Repairs and other services—Outside .....	38,788	453,127	46,343	10,673	548,931
Rentals .....	703,264	12,965	60,826	51,043	828,098
Insurance—P.L., P.D. and traffic liability .....	820,522	16,477	46,020	53,159	936,178
Other expenses .....	184,313	51,160	102,752	844,671	1,182,896
Depreciation—Flight equipment .....	—	—	—	20,016	1,365,172
Ground property and equipment .....	—	—	—	—	230,296
<b>Totals</b> .....	<b>1,746,887</b>	<b>533,729</b>	<b>255,941</b>	<b>979,562</b>	<b>5,091,571</b>
<b>Grand totals</b> .....	<b>5,114,438</b>	<b>2,497,902</b>	<b>655,106</b>	<b>2,091,592</b>	<b>11,934,490</b>

TABLE 16. Operating Expense Analysis, Canadian Scheduled Carriers — All Services, Year Ended December 31, 1960

No.	Expenses	Functional classifications			
		Flying operations	Maintenance		
			Direct maintenance flight equipment	Direct maintenance ground property and equipment	Maintenance burden
			dollars		
	Salaries, wages and personnel expenses:				
1	Management .....	—	—	—	854,504
2	Pilots and co-pilots .....	12,379,074	—	—	—
3	Other flight personnel .....	1,205,453	—	—	—
4	Maintenance labour .....	—	9,437,858	613,737	1,567,723
5	Aircraft and traffic handling .....	—	—	—	3,057
6	Trainees, instructors, unallocated shop labour .....	466,723	—	—	4,202,482
7	Communications .....	—	—	—	80,676
8	Other personnel .....	—	—	—	9,132,057
9	Personnel expenses .....	1,300,703	—	—	429,757
10	Totals .....	15,351,953	9,437,858	613,737	16,270,256
	Materials and supplies:				
11	Aircraft fuels and oils .....	27,275,956	—	—	—
12	Maintenance materials and supplies .....	—	8,175,248	161,178	708,174
13	Shop and servicing supplies .....	—	—	—	657,785
14	Stationery, printing and office supplies .....	—	—	—	233,088
15	Passenger food expense .....	—	—	—	—
16	Other supplies .....	140,538	—	—	139,519
17	Inventory adjustments .....	—	—	—	40,159
18	Totals .....	27,416,494	8,175,248	161,178	1,778,725
	Other expenses:				
19	Communications purchased .....	—	—	—	161,328
20	Light, heat, power and water .....	—	—	—	541,201
21	Traffic commissions .....	—	—	—	—
22	Professional and technical fees and expenses .....	—	—	—	4,142
23	Other services—Associated companies .....	—	—	—	2
24	Total repairs and other services—Outside .....	—	8,278,970	605,192	932,617
25	Rentals .....	3,191,870	—	—	209,977
26	Landing fees—Canadian .....	3,627,294	—	—	—
27	Landing fees—Foreign .....	900,246	—	—	—
28	Insurance—P.L., P.D., and traffic liabilities .....	3,117,287	—	—	148,759
29	Insurance—Employee welfare .....	1,170,880	—	2,484	1,708,971
30	Injuries, loss and damage .....	188,812	—	—	23,224
31	Advertising and publicity .....	—	—	—	—
32	Interrupted trip expense .....	—	—	—	—
33	Uncollectible accounts .....	—	—	—	—
34	Taxes, other than income and payroll .....	—	—	—	—
35	Other expenses .....	25,832	—	—	307,800
36	Overhaul provisions—Airframes .....	—	125,577	—	—
37	Aircraft engines .....	—	268,366	—	—
38	Totals .....	12,222,221	8,672,913	607,676	4,038,021
	Depreciation and amortization:				
39	Amortization .....	—	—	—	—
40	Depreciation—Flight equipment .....	—	—	—	—
41	Maintenance equipment and hangars .....	—	—	—	—
42	General ground property .....	—	—	—	—
43	Grand totals .....	54,990,668	26,286,019	1,382,591	22,087,002

TABLE 16. Operating Expense Analysis, Canadian Scheduled Carriers — All Services, Year Ended December 31, 1960

Functional classifications									No.
Passenger servicing	Aircraft and passenger servicing			Promotions and sales		General administration	Depreciation and amortization	Grand total	
	Aircraft servicing	Traffic servicing	Servicing administration	Reservations and sales	Advertising and publicity				
dollars									
18,120	351,366	—	321,221	337,388	23,978	1,068,093	2,974,670	1	
—	—	—	—	—	—	—	12,379,074	2	
4,149,949	—	—	—	—	—	—	5,355,402	3	
—	48,847	—	—	—	—	—	11,668,165	4	
—	9,750,545	4,243,287	1,939,368	7,835,421	—	—	23,771,678	5	
112,620	348,834	16,596	139,106	304,399	—	13,200	5,603,960	6	
—	317,858	—	708,800	669,695	—	67,868	1,844,897	7	
405,000	374,184	91,944	1,093,239	3,071,837	448,257	4,425,180	19,041,678	8	
1,272,990	213,286	94,839	352,195	897,800	103,224	320,067	4,984,861	9	
5,958,679	11,404,900	4,446,666	4,553,929	13,116,540	575,459	5,894,408	87,624,385	10	
—	—	—	—	—	—	—	27,275,956	11	
—	—	—	—	—	—	—	9,044,600	12	
—	371,715	—	—	—	—	—	1,029,500	13	
26,858	62,789	111,413	229,118	459,516	39,634	506,591	1,669,007	14	
5,782,384	22	—	59	598	—	2,082	5,785,145	15	
1,264,192	69,603	19,138	311,934	23,557	1,208	11,452	1,981,141	16	
—	—	—	—	—	33	67	40,259	17	
7,073,434	504,129	130,551	541,111	483,671	40,875	520,192	46,825,608	18	
10,998	355,527	200,334	1,012,809	2,203,501	15,144	157,736	4,117,377	19	
93	18,669	45,520	125,063	98,165	682	43,193	872,566	20	
—	—	—	—	4,813,383	—	—	4,813,383	21	
2,973	1,656	163	279	13,901	—	197,070	220,184	22	
73	2,016	890,726	441	237,420	2	239,792	1,370,472	23	
258,636	2,535,390	652,006	748,160	241,090	75,749	45,761	14,373,571	24	
32,428	295,960	399,831	447,706	1,027,501	14,580	577,447	6,197,300	25	
—	—	—	—	—	—	—	3,627,294	26	
—	—	—	—	—	—	—	900,246	27	
464,065	9,116	46,728	12,140	2,494	—	107,086	3,907,675	28	
310,856	725,742	309,327	296,386	854,280	29,585	314,590	5,723,101	29	
83,871	32,061	25,385	19,161	5,348	—	11,446	389,308	30	
—	—	—	—	109,495	4,567,811	—	4,677,306	31	
864,307	—	—	—	—	—	—	864,307	32	
29,309	—	—	—	—	—	111,496	140,805	33	
—	—	—	—	364	—	575,132	575,496	34	
89,085	117,696	317,032	189,028	171,031	3,449	211,203	1,432,156	35	
—	—	—	—	—	—	—	125,577	36	
—	—	—	—	—	—	—	268,366	37	
2,146,694	4,093,833	2,887,052	2,851,173	9,777,973	4,707,002	2,591,952	54,596,510	38	
—	—	—	—	—	—	—	958,761	958,761	39
—	—	—	—	—	—	—	14,874,304	14,874,304	40
—	—	—	—	—	—	—	1,384,922	1,384,922	41
—	—	—	—	—	—	—	1,095,163	1,095,163	42
15,178,807	16,002,862	7,464,269	7,946,213	23,378,184	5,323,336	9,006,552	18,313,150	207,359,653	43



TABLE 17. Operating Statistics, Canadian Carriers - Specialty Flying Services, Groups I to IV, by Type of Service 1960

	Revenue hours	Revenue earned		Revenue hours	Revenue earned
	No.	\$		No.	\$
Flying training .....	43,506	700,282	Philanthropic .....	87	Dr. 866
Pecreational flying .....	7,180	141,275	Aerial fish cultivation .....	54	4,014
Aerial photography and survey .....	7,536	1,413,453	Geophysical survey .....	6,744	824,426
Aerial photography (excl. survey) .....	1,606	129,400	Non-transportation charter .....	359	45,789
Aerial pest control .....	2,069	817,365	Other specialty flying .....	275	37,337
Aerial advertising .....	109	6,044			
Aerial patrol and inspection .....	11,534	1,110,107	<b>Total specialty flying .....</b>	<b>81,059</b>	<b>5,228,626</b>

TABLE 18. Statistical Summary of Canadian Carriers Operating Helicopters Only, Group I to IV, 1960

Operating Statistics	1960	Statement of Income	1960
Revenue hours flown .....	44,388	Operating revenue:	
Average number of aircraft .....	102	Fulk transportation .....	\$ 5,248,536
Average number of employees:		Other flying services .....	\$ 213,213
Flying personnel .....	185	Non-flying services .....	\$ 345,590
Other personnel .....	139	<b>Totals .....</b>	<b>\$ 5,807,339</b>
<b>Totals .....</b>	<b>324</b>	Operating expenses:	
Salaries and wages paid:		Flying operations .....	\$ 2,168,091
Flying personnel .....	\$ 1,151,855	Maintenance .....	\$ 1,283,633
Other personnel .....	\$ 828,103	General services and administration .....	\$ 842,882
<b>Totals .....</b>	<b>\$ 1,979,958</b>	Depreciation and amortization .....	\$ 990,955
		<b>Totals .....</b>	<b>\$ 5,285,561</b>
		Operating income (loss) .....	\$ 521,778
		Net income (deficit) after income taxes .....	\$ 451,113

## Balance sheet

<b>Assets:</b>		<b>Liabilities:</b>	
<b>Current assets:</b>		<b>Current liabilities:</b>	
Cash .....	325,388	Notes and accounts payable .....	1,101,229
Accounts receivable .....	936,118	Current portion of long term debt .....	382,050
Less: Reserve for uncollectable accounts .....	24,159	Accrued taxes .....	110,878
Materials and supplies .....	542,240	Other and accrued liabilities .....	116,393
Short term prepayments .....	234,197	<b>Total current liabilities .....</b>	<b>1,710,550</b>
Other current assets .....	36,705	<b>Non-current liabilities:</b>	
<b>Total current assets .....</b>	<b>2,050,489</b>	Long term debt .....	1,082,485
Investments .....	13,338	Other non-current liabilities .....	159,241
Property and equipment:		<b>Total non-current liabilities .....</b>	<b>1,241,726</b>
Operating .....	8,052,408	Deferred credits .....	-
Less: Accumulated depreciation .....	3,847,550	Reserves .....	23,869
Non-operating .....	90,121	<b>Capital Stock and Surplus:</b>	
Less: Accumulated depreciation .....	40,866	Capital stock issued and outstanding:	
Deferred charges:		Preferred .....	1,069,780
Long term prepayments .....	17,483	Common .....	991,637
Other deferred charges .....	198,352	Other paid-in capital .....	59,400
<b>Total deferred charges .....</b>	<b>215,835</b>	Unappropriated surplus .....	1,436,813
<b>Total assets .....</b>	<b>6,533,775</b>	<b>Total capital stock and surplus .....</b>	<b>3,557,630</b>
		<b>Total liabilities .....</b>	<b>6,533,775</b>

TABLE 19. Accidents to Aircraft of Canadian Registry, Apparent Cause by Type of Operation, 1960<sup>1</sup>

Type of operation	Apparent cause of accidents												
	Personnel			Material failure					Weather	Landing surface	Miscellaneous	Undetermined	Grand Total
	Errors of pilots or crew members	Errors of other personnel	Total	Power plant	Air frame	Landing gear	Equipment and accessories	Total					
Commercial operations:													
Scheduled:													
Domestic .....	No. 2	—	2	1	—	—	—	1	—	—	—	—	3
International .....	" —	—	—	—	—	—	—	—	—	—	—	—	—
Non-scheduled:													
Domestic .....	" 32	3	35	7	1	4	—	12	1	1	1	2	52
International .....	" 4	—	4	—	—	2	—	2	—	—	—	—	6
Contract .....	" —	—	—	—	—	—	—	—	—	1	—	—	1
Specialty:													
Flying training .....	" 17	1	18	3	—	—	—	3	1	—	—	1	23
Recreational flying .....	" 15	—	15	—	—	—	—	—	—	—	—	—	15
Aerial photography and survey .....	" 6	—	6	2	2	—	—	4	—	—	—	—	10
Aerial photography .....	" 1	—	1	—	—	—	—	—	—	—	—	—	1
Aerial pest control .....	" 7	1	8	2	—	—	—	2	—	—	—	—	10
Aerial patrol and inspection .....	" —	1	1	—	—	—	—	—	—	—	—	—	1
Philanthropic .....	" —	—	—	—	—	1	—	1	—	—	—	—	1
Forest fire protection .....	" 2	1	3	—	—	—	—	—	—	—	—	—	3
<b>Total commercial operations .....</b>	<b>86</b>	<b>7</b>	<b>93</b>	<b>15</b>	<b>3</b>	<b>7</b>	<b>—</b>	<b>25</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>126</b>
Non-commercial operations:													
Flying clubs:													
Flying training .....	" 10	—	10	—	—	2	—	2	1	—	1	—	14
Recreational flying .....	" 16	—	16	—	—	—	1	1	—	—	—	—	17
Private:													
Ferry .....	" 1	—	1	—	—	—	—	—	—	—	—	—	1
Company business .....	" 14	1	15	1	1	—	—	2	—	1	—	—	18
Test .....	" 4	—	4	—	—	—	—	—	—	—	—	—	4
Training - Check .....	" 3	—	3	—	—	1	1	2	—	—	—	—	5
Recreational flying .....	" 113	—	113	7	—	1	—	8	—	2	1	5	129
Aerial pest control .....	" 1	1	2	—	—	—	—	—	—	—	—	—	2
Other .....	" 1	—	1	—	—	—	—	—	—	—	—	—	1
Miscellaneous: <sup>2</sup>													
Positioning .....	" 8	—	8	1	—	—	—	1	—	—	—	—	9
State .....	" 2	1	3	—	—	—	—	—	—	—	—	—	3
Missing enroute .....	" —	—	—	—	—	—	—	—	—	—	—	2	2
<b>Total non-commercial operations .....</b>	<b>173</b>	<b>3</b>	<b>176</b>	<b>9</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>16</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>205</b>
<b>Grand total all operations .....</b>	<b>259</b>	<b>10</b>	<b>269</b>	<b>24</b>	<b>4</b>	<b>11</b>	<b>2</b>	<b>41</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>10</b>	<b>331</b>

<sup>1</sup> As reported by Civil Aviation Branch, Department of Transport.<sup>2</sup> Includes accidents occurring during non-revenue flights of commercial aircraft.

TABLE 20. Accidents to Aircraft of Canadian Registry, Casualties by General Type of Operation, 1959-60<sup>1</sup>

Accidents and casualties	General type of operations					
	Commercial		Non-commercial <sup>2</sup>		Total	
	1960	1959	1960	1959	1960	1959
Number of accidents .....	126	106	205	203	331	309
Number of fatal accidents .....	10	14	26	28	36	42
Casualties:						
Pilot:						
Killed .....	8	13	25	24	33	37
Seriously injured .....	7	6	16	11	23	17
Co-pilot:						
Killed .....	—	1	—	—	—	1
Seriously injured .....	—	—	—	—	—	—
Flight engineer:						
Killed .....	—	—	1	—	1	—
Seriously injured .....	—	—	—	—	—	—
Cabin attendant:						
Killed .....	—	1	—	—	—	1
Seriously injured .....	—	1	—	—	—	1
Other crew:						
Killed .....	—	2	—	—	—	2
Seriously injured .....	—	—	—	—	—	—
Passengers:						
Killed .....	7	18	14	31	21	49
Seriously injured .....	5	7	15	13	20	20
Third party:						
Killed .....	1	—	1	1	2	1
Seriously injured .....	—	—	—	1	—	1
Totals:						
Killed .....	16	35	41	56	57	91
Seriously injured .....	12	14	31	25	43	39

<sup>1</sup> As reported by Civil Aviation Branch, Department of Transport.<sup>2</sup> Includes flying clubs, private and miscellaneous flying (positioning, state and ferry) which comprises accidents occurring during non-revenue flights of commercial aircraft.TABLE 21. Personnel and Airport Licences Issued and Aircraft Registered as of December 31, 1960<sup>1</sup>

Personnel	In force December 31, 1960	In force December 31, 1959	Aircraft Registered	Total December 31, 1960	Total September 30, 1960
Pilots:					
Glider .....	444	376	Commercial .....	1,818	1,809
Private .....	14,701	10,596	Private .....	3,186	3,121
Commercial .....	2,319	2,338	State .....	204	205
Senior commercial .....	439	407	Commercial (restricted) .....	45	49
Airline transport .....	1,250	1,179	Ultra light .....	53	45
			Experimental .....	4	3
			Private (restricted) .....	8	5
Totals — Pilots .....	19,153	14,896	Totals .....	5,318	5,237
Air navigators .....	96	104	Airports		
Air traffic controllers .....	763	722		In force December 31, 1960	In force December 31, 1959
Flight engineers .....	57	54			
Aircraft maintenance engineers .....	1,953	1,863	Number of airports .....	483	456

<sup>1</sup> As reported by Civil Aviation Branch, Department of Transport.



## CIVIL AVIATION DEFINITIONS

Unit Toll Transportation .....	Transportation of passengers or goods at a toll per unit. It includes: (i) the scheduled services, which provide transportation between designated points in accordance with a schedule; and (ii) the non-scheduled services, which provide transportation either between designated points on a route pattern and with some degree of regularity or from a designated base to serve a defined area or a specific point or points.
Bulk Transportation .....	Transportation of passengers or goods at a toll per mile or per hour for the entire aircraft (charter), or in accordance with a specific contract.
Specialty Flying Services .....	Non-transportation flying services, such as flying training, aerial photography, aerial pest control and aerial advertising.
Scheduled Carriers .....	Carriers operating some unit toll scheduled service.
Non-Scheduled Carriers .....	Carriers not operating any unit toll scheduled service.
Revenue Classification of Canadian Carriers:	
Group I Carriers .....	Trans-Canada Air Lines and Canadian Pacific Air Lines.
Group II Carriers .....	All other carriers licensed to perform scheduled service plus two major transport carriers: Nordair Ltd. and Wheeler Air Lines Ltd.
Group III Carriers .....	All carriers with gross annual flying revenues of \$400,000 and over which are not included in Groups I and II.
Group IV Carriers .....	All carriers having gross annual flying revenues of \$60,000 and over but less than \$400,000, and, in addition, any carrier licensed to perform unit toll service with gross annual flying revenues under \$60,000.
Group V Carriers .....	All carriers other than those licensed to perform unit toll service with gross annual flying revenues of less than \$60,000.
Air Cargo .....	Air freight and air express.
Goods .....	Air Cargo plus excess baggage and air mail.
Passenger Load Factors .....	Ratio of revenue passenger-miles performed to available seat-miles.
Weight Load Factor .....	Ratio of revenue ton-miles performed to available ton-miles.
Interline Traffic .....	Passengers and goods received by a carrier either from foreign carriers (foreign interline) or from other Canadian carriers (domestic interline) or from other operating divisions of the same carriers (division interline).
International Services:	
Trans Border Services .....	Services between Canada and the United States.
Southern Services .....	Services between Canada and Bermuda, the Caribbean, Mexico or South America.
Trans Atlantic and Polar Services .....	Services between Canada and Europe.
Pacific and Orient Services .....	Services between Canada and points in the Pacific Ocean or the Orient.
Five Freedoms of the Air:	
First Freedom .....	The right to fly over the territory of a foreign country without landing.
Second Freedom .....	The right to land on the territory of a foreign country for non-traffic purposes.
Third Freedom .....	The right to put down in a foreign country, passengers, mail and cargo taken on in the territory of the state whose nationality the aircraft possesses.
Fourth Freedom .....	The right to take on in a foreign country, passengers, mail and cargo destined for the territory of the state whose nationality the aircraft possesses.
Fifth Freedom .....	The right to take on in a foreign country, passengers, mail and cargo destined for the territory of any other foreign state and the privilege to put down in a foreign country, passengers, mail and cargo coming from any such territory.

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